Related/previous work landscape

Deliverable 1b (short version)

Created within the OpenTC project

Bochum/Berlin, October – December 2006

(internal use only)

Authors:

Dipl.-Inf. Yacine Gasmi Dipl.-Inf. Patrick Stewin

Supervision:

Prof. Dr.-Ing. Ahmad-Reza Sadeghi Dipl.-Inf. Christian Stüble





Contents

Part II — Deliverable 1b	
1 Introduction	3
1.1 Important terms and definitions	3
2 Strategy	5
2.1 Search queries and search area	5
2.2 Problems with scanned patent publications	6
2.3 Entering a patent publication	6
2.4 Database server	6
2.5 Entry form	7
3 Problems and time-consuming obstacles	9
3.1 General problems regarding patent publications	9
3.2 Problems regarding the patent search with Delphion	9
4 Statistical evaluation	11
5 Conclusion	15
6 Patent List	17
6.1 A boot process for a computer, a boot ROM and a computer having a boot ROM	17
6.2 A boot process for a computer, a boot ROM and a computer having a boot ROM	17
6.3 A method and apparatus for securing communications between a smartcard and a	
terminal	18
Appendix	
A List of appropriate search terms (in alphabetical order)	21
B Detailed evaluation results	23
C PDF file list	45
D Ribliography	60

Part II

Deliverable 1b

1 Introduction

The present document forms the final report of the preliminary inquiry about the related and previous work landscape in the area of *Trusted Computing* (and virtualization). The work was done by the authors within a three-month project and provides a basis for a subsequent comprehensive risk analysis within the OpenTC project.

The report should, under the terms of the contract, include the following three partial performances:¹

- 1. Extended list of patent publications from deliverable 1a (cf. Gasmi and Stewin, 2006)
- 2. Improved categorization
- 3. Statistical evaluation of the results

The main objective was to glean the relevant patent publications concerning *Trusted Computing* (that may affect the OpenTC project) and assign them to both, functional categories and the different workpackages of the project. As the generation of an exhaustive list turned out to be too extensive to be fulfilled within the limited resources of the project, the second objective was to give a documentation of the work and the faced difficulties, to simplify future work in this field.

1.1 Important terms and definitions

To interpret the collected patent publications, it is indispensable to know the meaning of the following terms:

- Kind code: To distinguish between the different types of patent publications, the publication number contains an alphanumeric coding: the kind code. It indicates the level of publication (e.g. 'patent after modification'). The kind codes are assigned separately in each country and can therefore differ (in their meaning) from country to country. A complete list of existing kind codes offers The Thomson Corporation (2006*c*). Relevant for the present work is the subset of kind codes in table 1.1.
- Patent family: The Thomson Corporation (n.d.) defines a patent family as "a set of individual patents granted by various countries [...] (that includes) all the equivalent patent applications corresponding to a single invention, covering different geographical regions."

- Related/previous work landscape (deliverable 1a)
- Related/previous work landscape (deliverable 1b, short version)
- Related/previous work landscape (deliverable 1b, full version)
- MySQL database backups
- Self-written PHP scripts
- LATEX code of the full version of this document
- All collected publications in portable document format (PDF)

¹ The appendant DVD contains the following files:

4 Deliverable 1b

Kind code	Meaning
European I	Patent Office (EPO) (EP)
A1	Publication of application with search report
A2	Publication of application without search report
A3	Publication of search report
B1	Patent
United Stat	es (US)
A	United States patent
A1	Patent application publication within the Trial Voluntary Protest Program (TVPP)
B1	Reexamination certificate - first reexamination
B2	Reexamination certificate - second reexamination
World Intel	lectual Property Organization (WIPO) (WO)
A1	Publication of the international application with international search report
A2	Publication of the international application without international search report
A3	Subsequent publication of the international search report

Table 1.1: Meaning of kind codes in patent publications (cf. The Thomson Corporation, 2006c)

• *DW-Record*: The *Derwent World Patents Index (DWPI)*, developed by The Thomson Corporation (2005), is a database that "adds value to the information in original patent documents", basically by providing a sophisticated classification system as well as rewritten patent titles and abstracts. Furthermore the DWPI enables the identification of "non-conventional equivalents that occur when a patent is filed outside of the priority deadline", i.e. equivalent patents with different priority dates² are listed within the same patent family.

A record in the DWPI (*DW-Record*) is indexed by a *Primary Accession Number* (e.g. 1996-412885) which is "a unique identification number assigned by Derwent to the first patent in each patent family, and therefore to the database record created for that family" (The Thomson Corporation, n.d.).

² The priority date indicates "the initial date of filing of a patent application, normally in the applicant's domestic patent office. This date is used to help determine the novelty of an invention" (cf. The Thomson Corporation, n.d.).

2 Strategy

To find patent publications, the *Delphion Research Intellectual Property Network* was utilized. Delphion is a research tool for worldwide patent publications developed by The Thomson Corporation (2006*a*). It offers an advanced search form that was used to perform more complex search queries (cf. section 2.1). Publications were collected in work files. A work file offers a mechanism to download all publications as PDF files. Thus, it was possible to analize the publications offline. When a relevant publication was found, it was entered in a MySQL database via a web form (cf. sections 2.4 and 2.5). The final results, based on the number of entered publications of each kind code (cf. table 1.1), were visualized as block diagrams (see section 5 and appendix B).

2.1 Search queries and search area

To improve the patent search, an appropriate retrieval strategie was developed,³ which finally comprised (cf. Gasmi and Stewin, 2006, p.3):⁴

- 1. Patent search based on keywords
- 2. (Extension of the search by taking basic ideas into account)
- 3. (Tracing of references among patents/publications)

To facilitate the keyword-based patent search, the OpenTC website (OpenTC Consortium, 2006) and several TC publications (e.g. Kuhlmann, 2006) were sifted through to identify relevant keywords and hence, to build up a list of appropriate search terms (see appendix A). Unfortunately, steps two and three of the retrieval strategy could not be performed, because of the high number of keyword-based search results. To give an example, the first two chosen search terms were ((attestation) AND (PD>=1987-01-01)⁵ (more than 6,000 search results) and ("trusted" AND "virtualization")⁶ (number of search results: 297). Obviously, the search area defined by the list of keywords turned out to be too wide to be covered within this report. Therefore the following search queries were defined to reduce the number of search results:⁷

- ((("binding" AND "Trusted Platform Module"))) AND (PD>=1987-01-01)
- ((("key protection" AND "Trusted Platform Module"))) AND (PD>=1987-01-01)
- ((("logging" AND "trusted platform module"))) AND (PD>=1987-01-01)
- ((((("public" OR "private") AND "key") AND "trusted platform module")))
 AND (PD>=1987-01-01)
- ((("sealing" AND "Trusted Platform Module"))) AND (PD>=1987-01-01)
- ((((("secure" OR "trusted") AND ("path" OR "channel" OR "io" OR "input/output" OR "i/o"))
 AND "trusted platform module"))) AND (PD>=1987-01-01)

³ Starting point was the guidance from the European Patent Office (n.d.).

⁴ Related and previous work publications were ignored due to the extensive and time-consuming patent search.

⁵ The search term defines a full-text search for the keyword attestation among all publications since 1987. The search includes derivations of the keyword, e.g. attest.

⁶ The string comprises all publications that include both keywords, trusted and virtualization. Derivations are excluded by using quotation marks.

⁷ According to the terms of the contract

6 Deliverable 1b

- ((("trusted computing" AND ("TCG" OR "TCPA")))) AND (PD>=1987-01-01)
- ((((("trusted" OR "secure" OR "authenticated") AND ("boot" OR "bootup"))

 AND "trusted platform module"))) AND (PD>=1987-01-01)

Keep in mind that the queries mentioned above were performed in october and november of 2006. Subsequenty filed patent publications were not incorporated.

Another problem arose from large patent families and their huge amount of publications regarding the same invention. To cope with the unequal validity periods of different patent publications, the following approach was chosen:

- All publications were entered into a MySQL database. Filtering of multiple publications regarding the same invention can be performed with an appropriate database query.⁸ As filtering key, the fields *Title* and *DW-Record* can be used.
- The patent search was restricted to US, EU and WO publications.

2.2 Problems with scanned patent publications

Downloaded PDF files often contained images of typewritten text that prevented keyword search (e.g. attestation) in such publications. An optical character recognition (OCR) program was necessary to translate the images into machine-readable/searchable text. For this report the OCR software OCR Shop XTR (for Linux) which is developed by Vividata (2005) was evaluated. 10

2.3 Entering a patent publication

Due to the time restrictions, it was not possible to read the publications completely. To decide whether or not an invention is relevant for OpenTC, the following publication parts were analized:

- "Abstract"
- "Drawings"
- "Background of the Invention"
- "Summary of the Invention" (in parts)
- "Claims" (mostly the first/main claim).

Furthermore a patent document was searched for certain keywords (e.g. attestation, binding or virtualization). Sections that contained a keyword were also taken into account. When a positive decision was made, the invention was added to the database.

2.4 Database server

This report contains a backup of the database.¹¹ To use the backup, the following server configuration should work:¹²

⁸ Patent families of the entered publications are not complete.

⁹ Only US and WO patent publications were affected.

¹⁰ The software was not able to convert every PDF document. From time to time the conversion process failed with a segmentation fault.

¹¹ The MySQL database files can be found on the DVD appendant to this document.

¹² This report was generated with the help of that server configuration. Additionally, the server was placed in a virtual private network for security reasons. Requests could only be sent via a SSL connection. Furthermore, data were saved on an encrypted loop device.

- OpenSuSE 10.1
- MySQL 5.0.18
- PHP 5.1.2
- Apache 2.2.0
- PhpMyAdmin 2.8.0.3
- Self-written PHP scripts (to convert the database into LATEXcode) and a web-based entry form

2.5 Entry form

Figure 2.1 shows the web-based entry mask. The following input fields were used to collect information about a publication:

- Publication number: The number was taken from the PDF document (without "/").
- Derwent record: The record number was copied from the *pdfindex.txt* file, that was downloaded along with the PDF documents.
- Publication date: The publication date was also fetched from the PDF file.
- Title: The publication title was adopted from the PDF file.
- Editor: The editor field was for internal use only.
- Importance: Level 3 means high importance for the OpenTC project, level 1 represents low importance. Keep in mind that the decision had to be made relatively fast and therefore should be treated with reserve.
- Brief description: To ensure basic comprehension, a brief description of the invention was written. Actually, to save valuable time, the publication abstracts were mostly cited instead of writing a new brief description.
- Search method: The search query string that was used to perform a search query using Delphion was entered in this input field.
- Related patents: This field was used to insert references to other patent publications mentioned in the publication.
- Finalized?: The finalized field was for internal use only.

The entries were rounded off by assigning the publications to both, functional categories and OpenTC workpackages (cf. OpenTC Consortium, 2006a). The used categories are listed in table 2.1. Keep also in mind that the assignments to the categories and workpackages were made comparatively fast, too.

8 Deliverable 1b

Categories	Subcategories
Trusted computing	Trusted/secure bootup
	TPM basic mechanisms (with regard to its usage by OS/SW)
	Local/remote attestation
Virtualization	Trusted/secure virtualization
Trusted path/io	

Table 2.1: Used categories and subcategories

patent number:	dw record:	publication date: YYYY	MM DD
title:			
editor:			
importance:	C 3 C 2 C 1 reason:		
description:			
category:	<u>trusted computing</u> $\[\]$ trusted/secure bootup $\[\]$ tpm basic m local/remote attestation $\[\]$ <u>virtualization</u> $\[\]$ trusted/secure v		
WPs/SWPs:	<u>3</u>	e □ <u>5</u> □ 5a □ 5b □ 5c □	5d 🗀
search method:	<u>6</u>	7d	b□ 8c□
related patents:			
finalized?:			

Figure 2.1: Database entry mask

3 Problems and time-consuming obstacles

As mentioned before, several difficulties had to be faced during the patent research, that had an adverse effect on the work. In the following the main problems are pointed out regarding patent publications in general as well as the patent research with Delphion.

3.1 General problems regarding patent publications

- Huge patent families (e.g. with *DW-Record* 1996-412885) with lots of members that represent the same invention, as well as up to hundreds of related publications (e.g. US6658568B1 has 104 family members and more than 300 references to patent publications) complicate the generation of a representative patent landscape. Even several patent publications may belong to the same patent (e.g. US7085935B1 and US7013484B1).
- Some publications have misspellings (e.g. US20050257048A1 describes a file locker, but mentions a 'Fire Locker' in the publication title) or inconsistencies (e.g. slight modifications) in their titles.
- The use of different terms (e.g. safer, trusted or trustworthy computing) complicates the determination of appropriate search terms and hence, has an adverse effect on the search results.
- Related patents or applications are often referred by their application or patent number instead of stating the publication number (e.g. 11/253,460 instead of US20060036851A1).
 Hence, a connection/link to related publications within the database (which are all indicated by their publication number) is not obvious.
- Some publications do not have a kind code that indicates the publication type (e.g. US6167521).

3.2 Problems regarding the patent search with Delphion

- Some publications have different DW-Records although they refer to the same invention (e.g. US20050289067A1 and US20030194094A1), some publications do not have a DW-Record at all (e.g. WO2006111615A1).
- When the original patent document is not available, Delphion puts a comparable publication into the PDF document without changing the file name (e.g. the file EP01384126A2.pdf contains not the expected publication EP1384126A2 but WO02086684A2).
- Not all patent family members are listed as search results. Especially when searching for keywords, the results often do not include the corresponding search reports (EP and WO publications with kind code A3), probably because of the missing description that usually contains the keywords.

4 Statistical evaluation

Due to the limited project resources and the chosen strategy (cf. chapter 2), the results of the statistical evaluation should be treated with reserve.

Patent family inconsistencies

Limiting the search strategy to keywords resulted in an inconsistent entry of patent family members (i.e. application and patent publications corresponding to the same invention) into the database. Using the *DW-Record* in the statistical evaluation to filter family members would not have been an appropriate solution, because some entries do not have a *DW-Record* and a differentiation between application and patent publications would still have been necessary.

Furthermore the collected publications had to be categorized and assigned to the work packages relatively fast and on the basis of very little information (cf. section 2.5).

Nevertheless, some interesting information can be extracted from the collected data, e.g. the increasing amount of patent applications during the last years, as can be seen in figure 4.2. An overview over all the collected publications is given in figure 4.1. Figure 4.3 shows the publications broken down by the used keywords whereas figure 4.4 takes the different OpenTC work packages into account. Some detailed evaluation results are listed in appendix B.

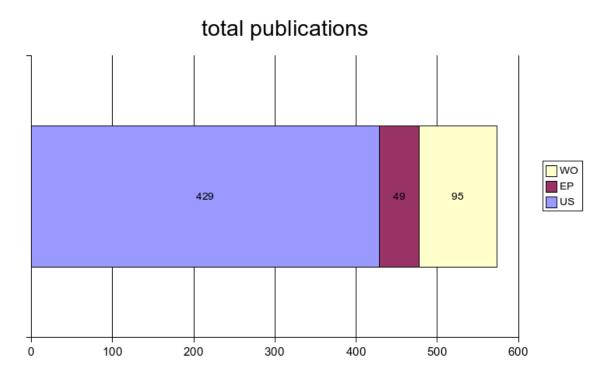


Figure 4.1: Collected Publications



Deliverable 1b

Publications assigned to publication date

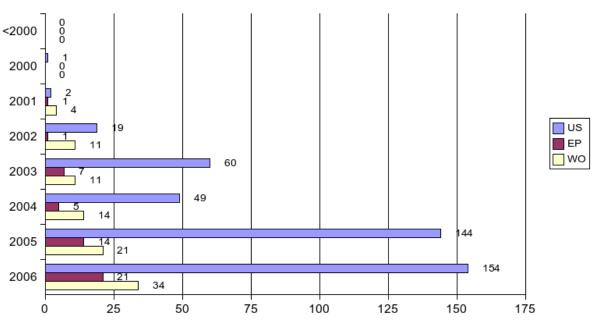


Figure 4.2: Publications broken down by publication year

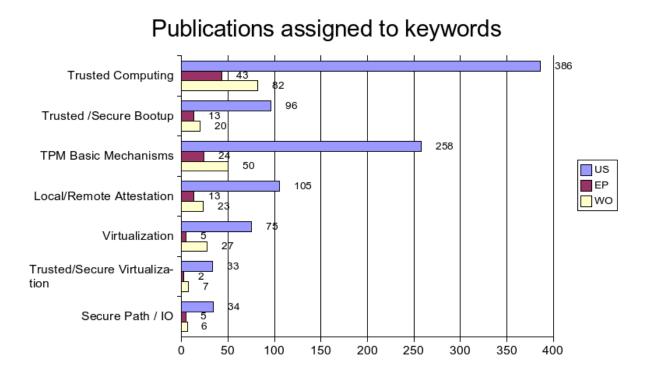


Figure 4.3: Publications broken down by keywords

Publications assigned to WorkPackages

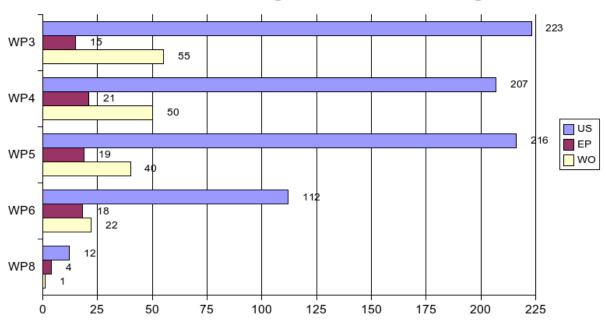


Figure 4.4: Publications broken down by OpenTC work packages

5 Conclusion

As described in the present final report, the limited project resources led to some weaknesses in the results:

- The search strategy was limited to keywords. A (probably more effective) search for ideas could not be performed.
- Statements on the covered search area or the percentage of identified relevant patent publications can hardly be made.
- The determination of relevance, functional category and concerned work packages had to be done relatively fast and on the basis of very little information.
- To accelerate work, the publication abstracts were mostly copied from the PDF file to the database, i.e. a future publication of the work/database should be done without the brief descriptions for copyright reasons.
- The results of the statistical evaluation should be treated with reserve because of the inconsistencies regarding patent family members.

Recommendations for future work

The use of a central server and a web frontend (if working in a team) facilitated the work a lot. To gain time when adding equivalent publications (family members) to the database, a duplicate button or the like (together with a script-based automated report generation) is very helpful.

To get better results, more time should be budgeted to analize a publication (regarding relevance, functional category and concerned work package). Deeper knowledge about the OpenTC project is necessary to improve the categorization and the assignment of publications to the OpenTC work packages.

The search strategy should not be limited to keywords but take ideas into account. Particularly when looking for ideas, the *Derwent World Patents Index* could be a powerful tool to improve the search. So far the search was limited to patent publications. To build a representative related and previous work landscape, it has to be extended to other publications (IP research).

6 Patent List

6.1 A boot process for a computer, a boot ROM and a computer having a boot ROM

• Publication number: EP1283464A1 / Derwent record: 2003-212740

• **Publication date:** 2003-02-12

• Keywords

- Trusted Computing - Trusted/Secure Bootup - TPM Basic Mechanisms (with regard to its usage by OS/SW)

• WorkPackages/SubWorkPackages

WP3

• Brief description/abstract

A client platform receives a boot image via an internet protocol. An integrity check may be performed using a TCPA module.

• Search method/query

((("trusted computing" AND ("TCG" OR "TCPA")))) AND (PD>=1987-01-01)

• Related patents

• Relevance

relates to secure boot but it is different from the TCG approach

6.2 A boot process for a computer, a boot ROM and a computer having a boot ROM

• Publication number: US20030046529A1 / Derwent record: 2003-212740

• **Publication date:** 2003-03-06

Keywords

- Trusted Computing - Trusted/Secure Bootup - TPM Basic Mechanisms (with regard to its usage by OS/SW)

• WorkPackages/SubWorkPackages

WP3

• Brief description/abstract

A client platform receives a boot image via an internet protocol. An integrity check may be performed using a TCPA module.

• Search method/query

((("trusted computing" AND ("TCG" OR "TCPA")))) AND (PD>=1987-01-01)

• Related patents

• Relevance

18 Deliverable 1b

6.3 A method and apparatus for securing communications between a smartcard and a terminal

• Publication number: WO2006044979A1 / Derwent record: 2006-305190

• **Publication date:** 2006-04-27

Keywords

– Trusted Computing – TPM Basic Mechanisms (with regard to its usage by OS/SW) – Secure Path/IO

• WorkPackages/SubWorkPackages

WP5 SWP5a WP6 SWP6d SWP6e

• Brief description/abstract

"An approach for securing communication between a terminal and one of a smartcard and a smartcard reader. A command to initiate a local link transport layer protection protocol session between a terminal and one of a smartcard and a smartcard reader is received at the smartcard or smartcard reader. Responsive to the command, the smartcard or smartcard reader then participates in a handshake process between the terminal and one of the smartcard and the smartcard reader. The handshake process includes mutual authentication. Data is then provided from one of the smartcard and the smartcard reader to the terminal via a trusted tunnel after successful completion of the handshake process."

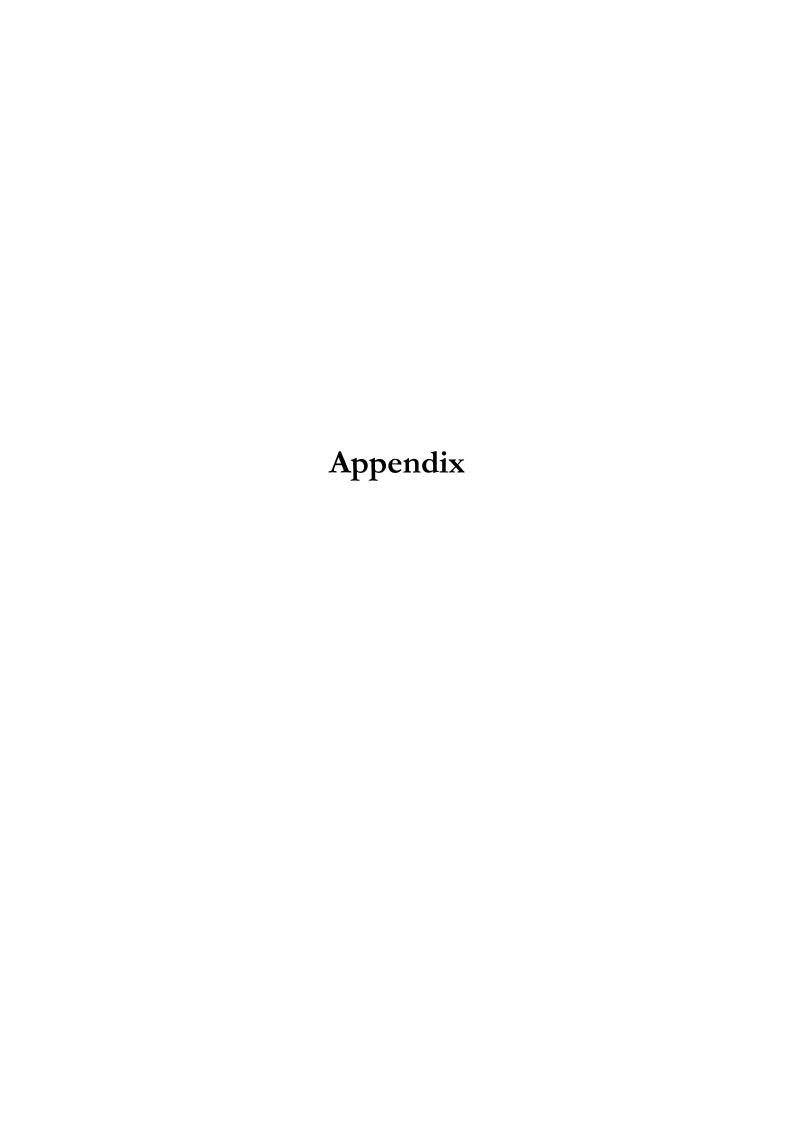
• Search method/query

((("binding" AND "Trusted Platform Module"))) AND (PD>=1987-01-01)

• Related patents

• Relevance

mutual authentication between platform and smartcard, TPM basically used for protected storage



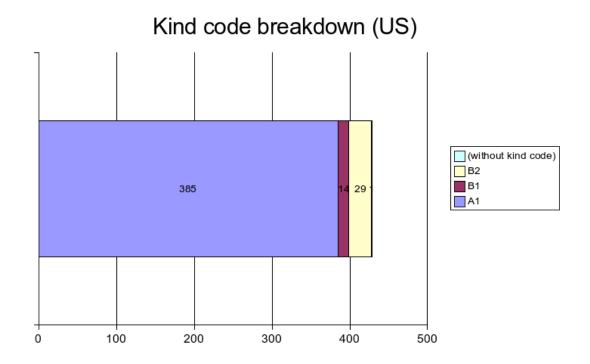
A List of appropriate search terms (in alphabetical order)

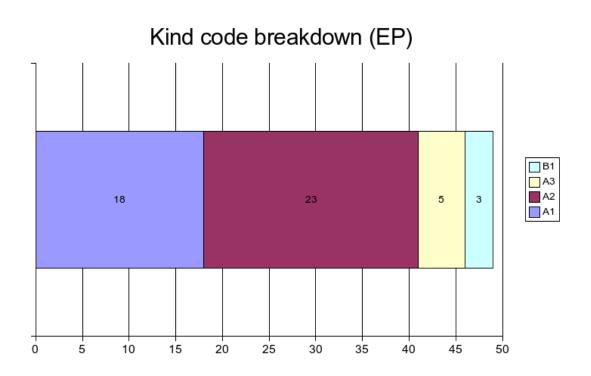
(Bold marked terms are already handled.)

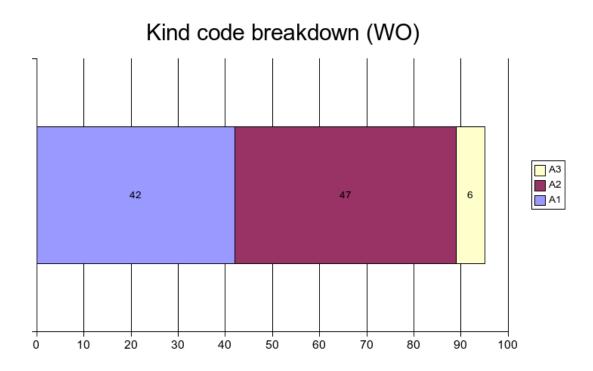
Applied trust verification, Assurance for trust properties, Attestation, Attestation identity, Attestation identity key, Attestation kernel, Authentication, Basic management interface, Binary attestation, Binding, BLOB, Boot-up measurement, Certificate extensions, Chain of authenticated software, Chain of trust, Compartment, Compartment security manager, Controlled loading, Cooperative security models, Corporate computing on home pc, Corporate virtual machine, Critical applications such as trusted banking or e-commerce software, Critical infrastructure, Cross-platform security management framework, Cryptographic interface, Cryptographic checksum, Cryptographic co-processor, Cryptographic coprocessor, Cryptographic processor, Data integrity, Data sealing, Device driver environment, Distributed policy enforcement, Domain, DRM core, Dynamic integrity checking, Encrypted file service, Endorsement Key, Enforcement mechanism, Enhanced trust, Fallback security, Fiasco, File encryption, Flow control policies, Global security framework, Guest operating system, Hardware based security, Hardware root of trust, Hardware support for virtualization, Hardware virtualization, Hardware-based security, Hardware-based security extensions, Hybrid Xen / L4 approaches, Hypervisor, Hypervisor layer, Hypervisor-based operating environments, Identity management, Insecure operating systems, Insecure systems,, software,, hardware, Integral trust and security, Integrated trust and security, Integrity checks, Integrity checksum, Integrity constraints, Integrity measurement, Integrity methodology, Integrity of the system, IPsec, Isolated virtual machine, Isolation, Isolation and information flow control, Java integration, Java TSS, ¡TSS, Key management, Key management infrastructure, Key management kernel, Key storage, L4, License translation manager, Management virtual machine, Mandatory access control, Master key, Microkernel, Multi-compartment graphical user interface, Multifactor authentication, Multilateral security, Multilateral trust, Multiple hypervisors, Multiple trusted platforms, Multiple virtual personal computer instances, Mutual attestation, Negotiating policies, Network security manager, Nexus, Open security evaluation, Open trusted computing, Open trusted methodology, OpenSSH, OpenSSL, OpenTC, Operating system security, Palladium, Para-virtualization, Payload virtual machine, PCR, Personal trusted computing architecture, PET, PKCS#11, Platform authentication, Platform configuration register, Platform security, Policy domains, Policy enforcement, Privacy-enabled security verification, Privacy-preserving protocols, Private electronic transaction, Property-based attestation, Protected chip, Protected compartments, Protected environment, Protected execution environment, Protected hardware, Protected hardware environment, Protected key management, Protected storage, Protection levels, Public key BLOB, Racoon IKE, Remote attestation, Remote platform, Remote user interface, Remote verification, Remote virtual machine, Resource sharing policies, Root of trust, Scalable attestation, Scalable security, Sealing, Secure channel, Secure computer, Secure computing base, Secure core, Secure CPU initialization, Secure device, Secure device virtualization, Secure environment, Secure hardware, Secure hardware architecture, Secure kernel, Secure key management, Secure layer, Secure media player, Secure message exchange infrastructure, Secure migration, Secure migration of virtual machines, Secure operating system, Secure path, Secure sandboxing, Secure software, Secure SSL transaction, Secure state, Secure storage, Secure system, Secure virtual machine, Securely stored, Securing platforms and protecting data, Security architecture enhancement, Security credential, Security enforcement, Security enhanced processor, Security hardware module, Security management interface, Security policy, Security policy enforcement, Security proof, Security property, Security service layer, Security service virtual machine, Security state monitoring and management, SLB 9635 TT 1.2, SLD 9630 TT 1.1,

Social trust, Software configuration, Software trustworthiness, Specific platform state, SSH, SSL, Standard cryptographic protocols, Storage security manager, Strong isolation, System integrity state, Tamper-resistant, TBB, TC, TC based encrypted file system, TC mechanism, TC-integrated, TC-use, TCcert, TCG hardware platform, TCG platform, TCG Software Stack, Terra, Threats,, errors and malfunctions, TPM, TPM driver, TPM emulator, TPM hardware driver, TPM spec., TPM spec. ification, TPM version detection, TPM virtualization, TPM-based, TPM-enabled, TPM-enabling, TPM-like, Transaction security contract, TrouSerS, Trust, Trust and security, Trust and security profiles, Trust domains, Trust issues, Trust layers, Trust problems, Trusted administrator, Trusted application environment, Trusted base, Trusted boot process, Trusted browser, Trusted building block, Trusted but verify, Trusted certificate, Trusted channel, Trusted compartment, Trusted components, Trusted computer, Trusted computing, Trusted computing architecture, Trusted computing base, Trusted computing certificate, Trusted computing framework, Trusted Computing Group, Trusted computing on an embedded platform, Trusted computing system, Trusted core, Trusted core service, Trusted credential, Trusted device, Trusted device driver, Trusted environment, Trusted function, Trusted grid computing, Trusted GUI, Trusted hardware, Trusted hardware driver, Trusted hardware module, Trusted i/o, Trusted identity, Trusted infrastructure, Trusted input/output, Trusted io, Trusted Java, Trusted kernel, Trusted key, Trusted key management, Trusted layer, Trusted Linux modules, Trusted Linux operating system, Trusted Linux platform, Trusted list of users, Trusted message exchange infrastructure, Trusted mobile operating system, Trusted mobile phone, Trusted module, Trusted operating system, Trusted operating system layers, Trusted OS, Trusted party, Trusted path, Trusted platform, Trusted platform module, Trusted platform service, Trusted secure mobile platform, Trusted security, Trusted service provider, Trusted smartcard, Trusted software, Trusted software components, Trusted software layer, Trusted software module, Trusted software stack, Trusted state, Trusted storage, Trusted system, Trusted technologies, Trusted third party, Trusted user interface, Trusted virtualization, Trusted virtualization architecture, Trusted virtualization layer, TrustedOS, Trustworthy applications, Trustworthy reporting of platform states, Trustworthy system architecture, TSS, TSS-stack, TTP, Trustworthy entity, Universal virtualisation layers, Untrusted network, Untrusted systems,, software, hardware, User credential, User security manager, Validate a given virtual machine, Verify the integrity, Virtual CPU, Virtual data center, Virtual disk space service provider, Virtual firewall, Virtual hardware, Virtual infrastructure management, Virtual IT infrastructure, Virtual machine infrastructure, Virtual machine monitor, Virtual memory, Virtual network card, Virtual network connection, Virtual storage, Virtual TPM, Virtual TPM device, Virtualisation, Virtualization cooperation, Virtualization engine, Virtualization environment, Virtualization layer, Virtualization of computers, Virtualization security mechanism, Virtualization software, Virtualization-enabled, Virtualized data center, Virtualized device, Virtualized keyboard driver, What you see is what you sign, WYSIWYS, Xen, Zero knowledge authentication

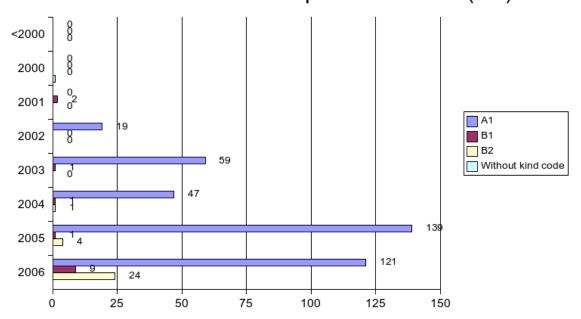
B Detailed evaluation results

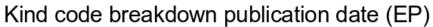


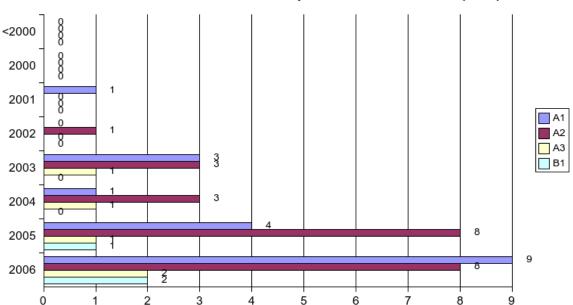




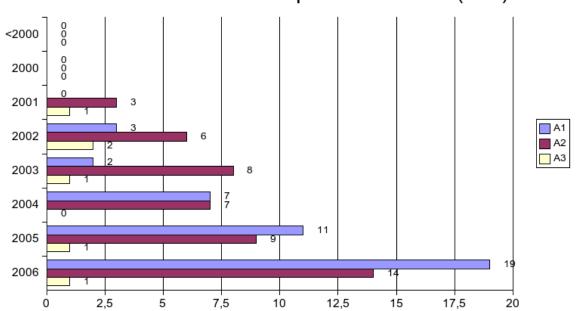
Kind code breakdown publication date (US)



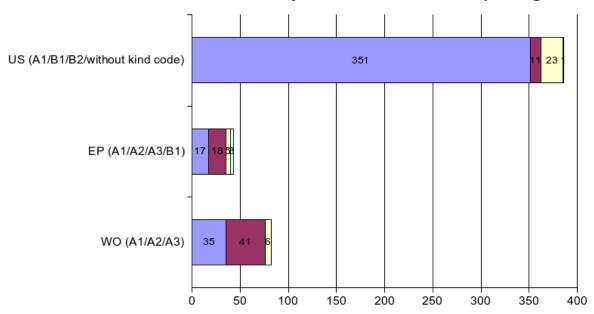




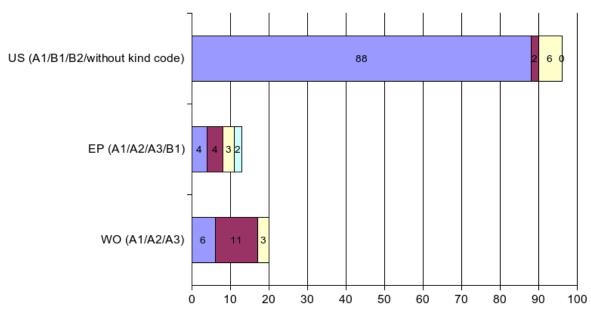
Kind code breakdown publication date (WO)



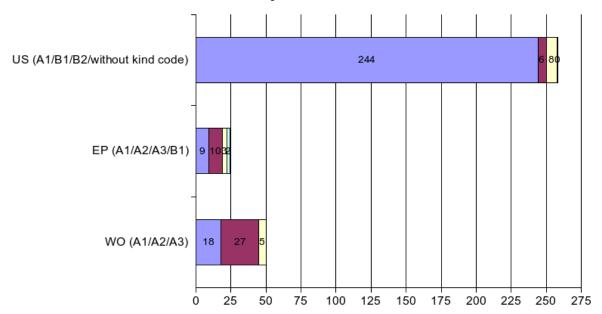
Kind code breakdown keyword Trusted Computing



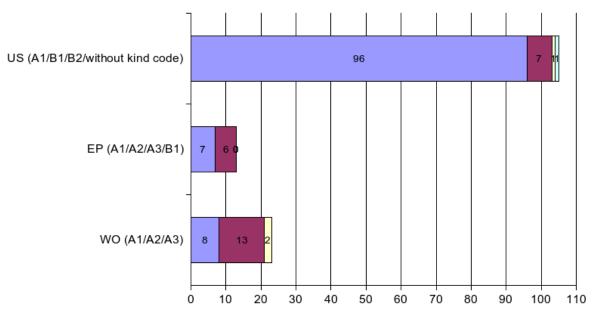
Kind code breakdown keyword Trusted/Secure Bootup



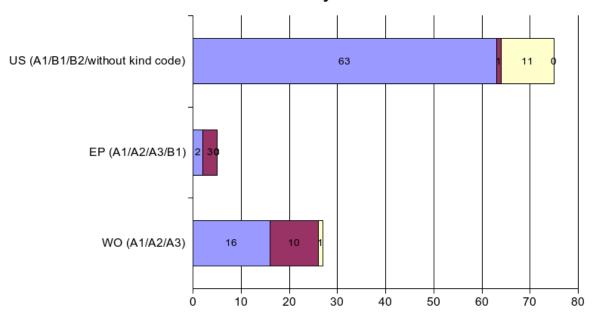
Kind code breakdown keyword TPM Basic Mechanisms



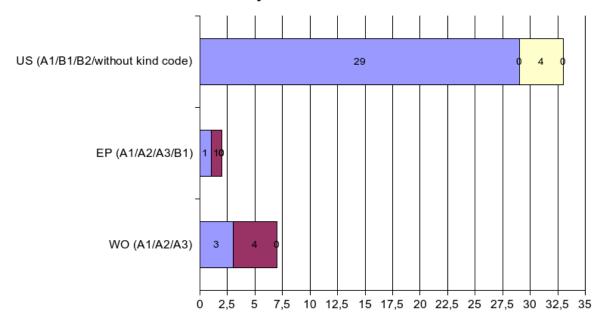
Kind code breakdown keyword Local/Remote Attestation



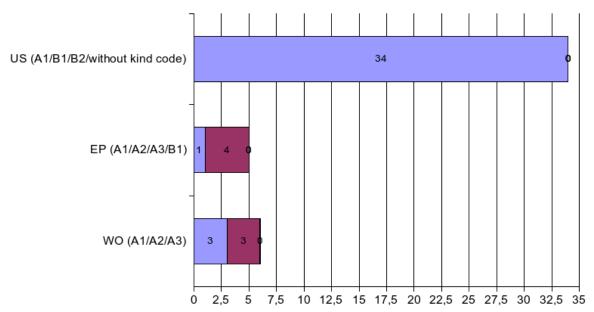
Kind code breakdown keyword Virtualization



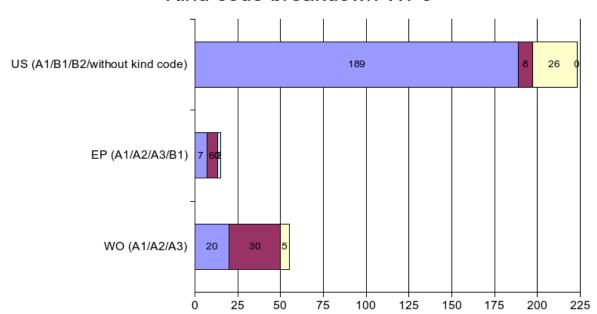
Kind code breakdown keyword Trusted/Secure Virtualization



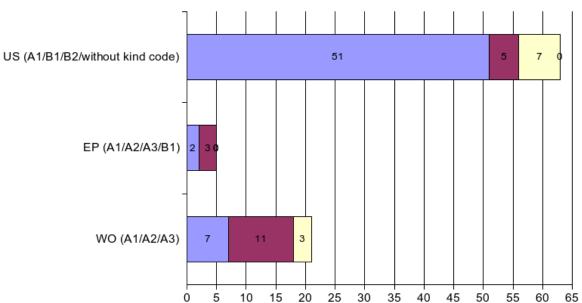
Kind code breakdown keyword Secure Path / IO



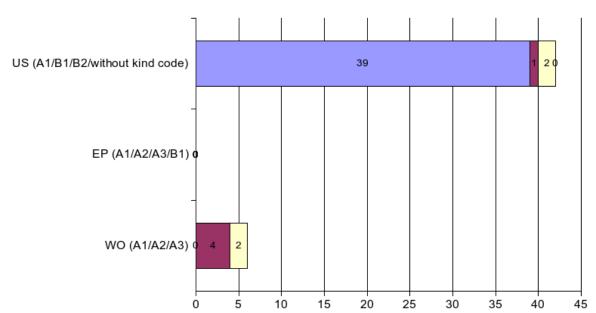




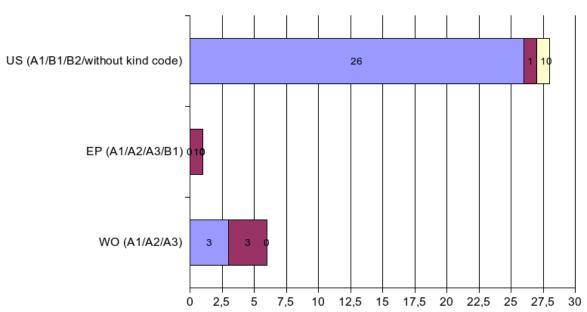
Kind code breakdown SWP3a



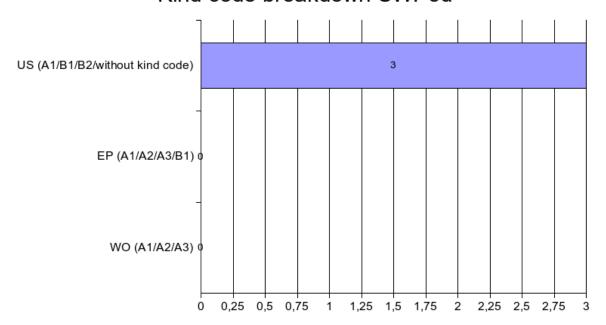
Kind code breakdown SWP3b

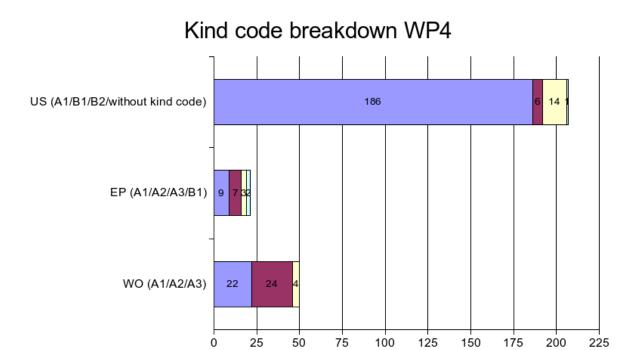


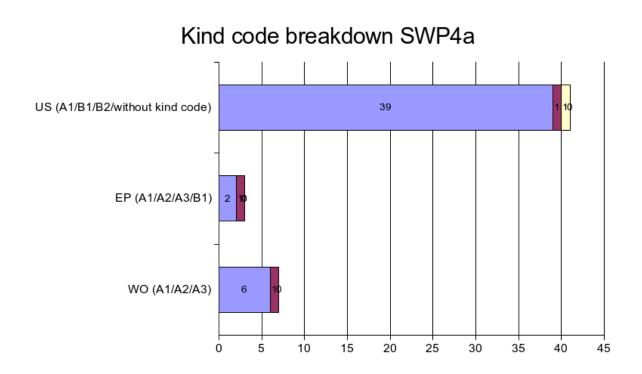


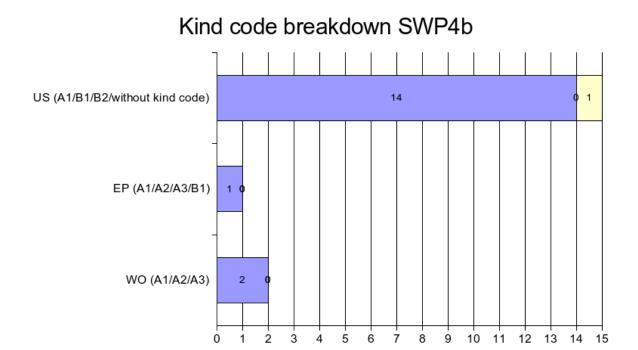


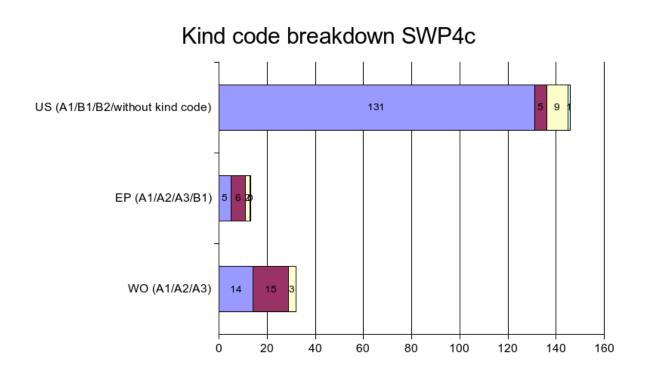
Kind code breakdown SWP3d



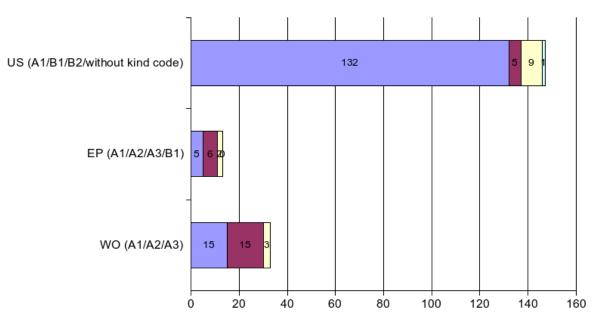




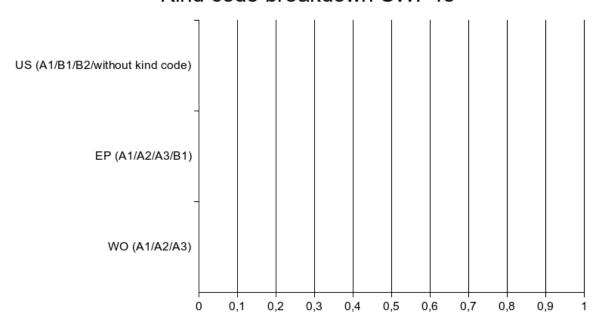


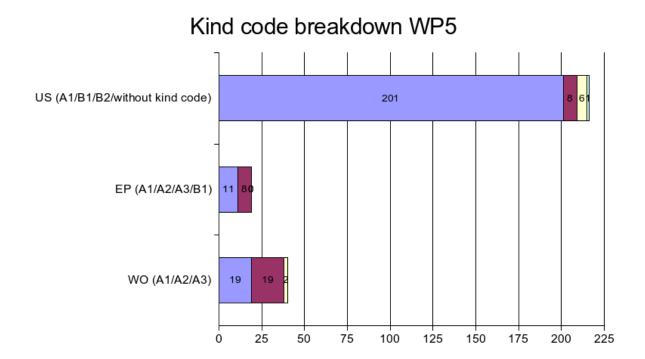


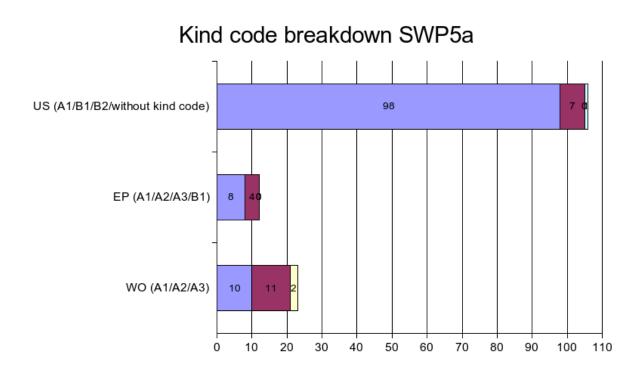




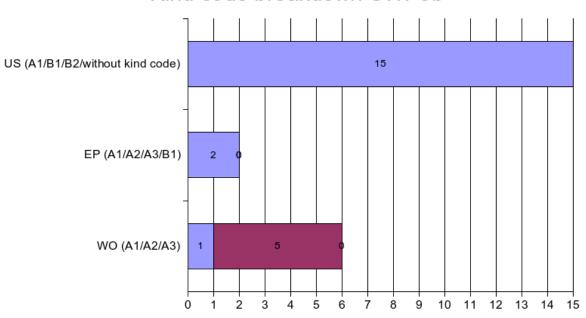
Kind code breakdown SWP4e



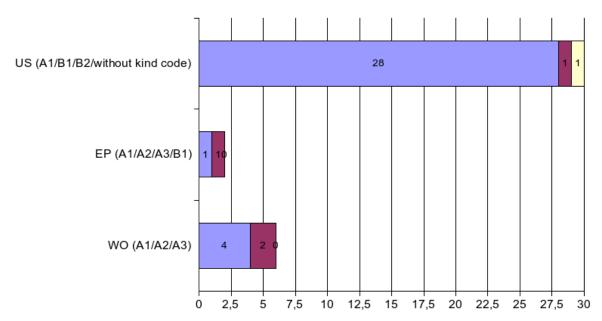


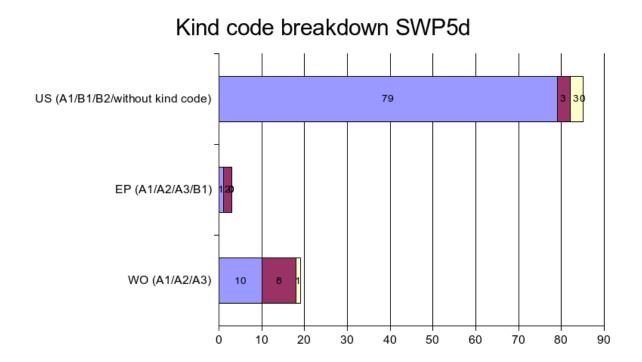


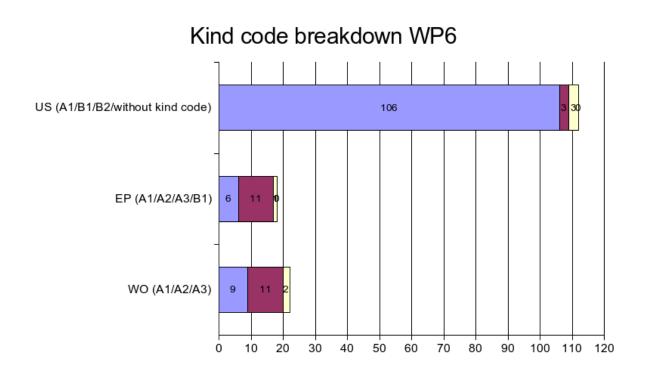
Kind code breakdown SWP5b



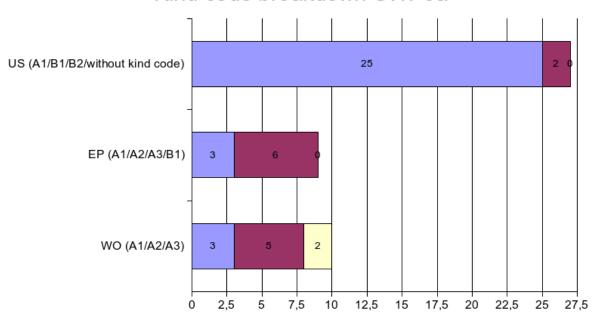
Kind code breakdown SWP5c



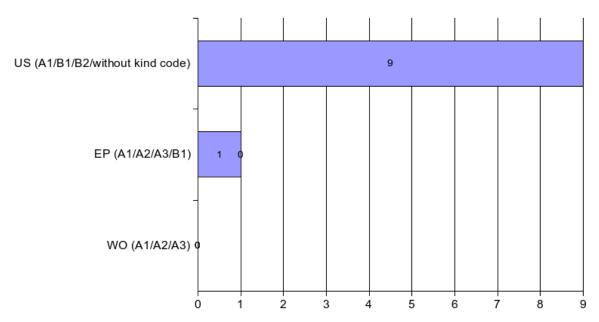


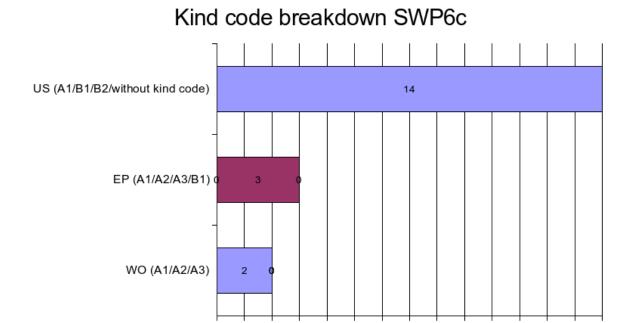


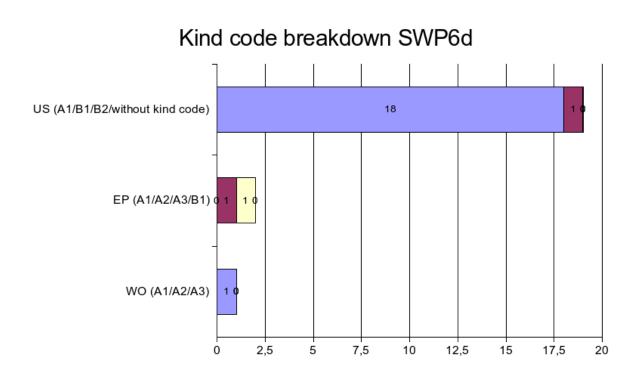
Kind code breakdown SWP6a



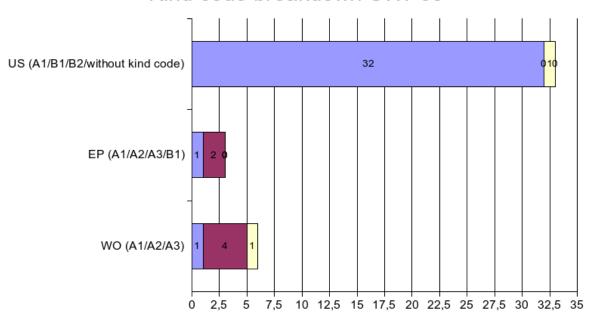




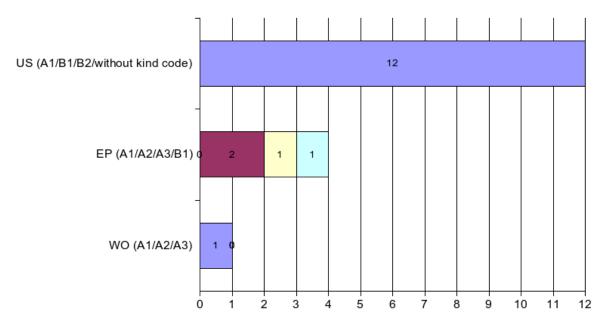




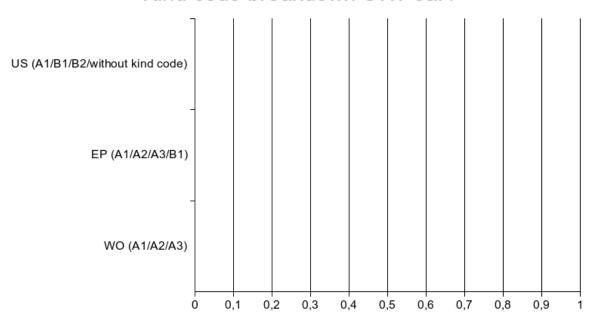
Kind code breakdown SWP6e



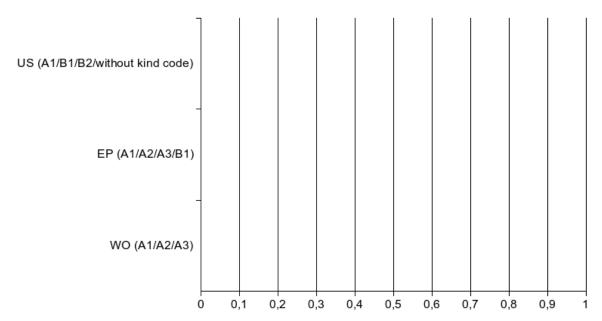




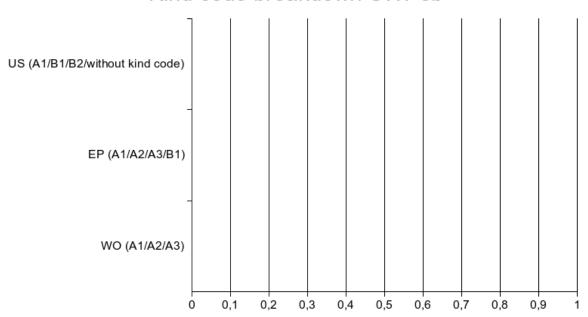
Kind code breakdown SWP8a.1



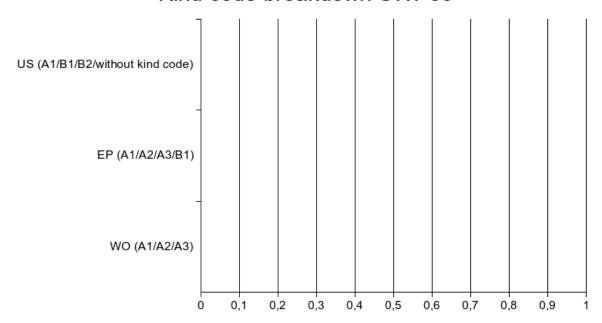
Kind code breakdown SWP8a.2



Kind code breakdown SWP8b



Kind code breakdown SWP8c



C PDF file list

```
• Publication number: EP0738058A2 — PDF file: EP00738058A2.pdf — (not in database)
• Publication number: EP1045308A2 — PDF file: EP01045308A2.pdf — (not in database)
• Publication number: EP1045308B1 — PDF file: EP01045308B1.pdf — (not in database)
• Publication number: EP1267246A2 — PDF file: EP01267246A2.pdf — (in database)
• Publication number: EP1271282A2 — PDF file: EP01271282A2.pdf — (in database)
• Publication number: EP1280042A2 — PDF file: EP01280042A2.pdf — (in database)
• Publication number: EP1282023A1 — PDF file: EP01282023A1.pdf — (in database)
• Publication number: EP1282024A1 — PDF file: EP01282024A1.pdf — (in database)
• Publication number: EP1282027A1 — PDF file: EP01282027A1.pdf — (in database)
• Publication number: EP1283464A1 — PDF file: EP01283464A1.pdf — (in database)
• Publication number: EP1294157A2 — PDF file: EP01294157A2.pdf — (in database)
• Publication number: EP1294157A3 — PDF file: EP01294157A3.pdf — (in database)
• Publication number: EP1294157B1 — PDF file: EP01294157B1.pdf — (in database)
• Publication number: EP1309916B1 — PDF file: EP01309916B1.pdf — (in database)
• Publication number: EP1314086B1 — PDF file: EP01314086B1.pdf — (in database)
• Publication number: EP1384126A2 — PDF file: EP01384126A2.pdf — (in database)
• Publication number: EP1408651A2 — PDF file: EP01408651A2.pdf — (not in database)
• Publication number: EP1422646A2 — PDF file: EP01422646A2.pdf — (in database)
• Publication number: EP1450257A2 — PDF file: EP01450257A2.pdf — (not in database)
• Publication number: EP1450258A2 — PDF file: EP01450258A2.pdf — (not in database)
• Publication number: EP1457936A3 — PDF file: EP01457936A3.pdf — (in database)
• Publication number: EP1465073A2 — PDF file: EP01465073A2.pdf — (not in database)
• Publication number: EP1465100A1 — PDF file: EP01465100A1.pdf — (in database)
• Publication number: EP1482404A2 — PDF file: EP01482404A2.pdf — (not in database)
• Publication number: EP1484891A2 — PDF file: EP01484891A2.pdf — (in database)
• Publication number: EP1487151A2 — PDF file: EP01487151A2.pdf — (not in database)
• Publication number: EP1505475A2 — PDF file: EP01505475A2.pdf — (in database)
• Publication number: EP1505475A3 — PDF file: EP01505475A3.pdf — (in database)
• Publication number: EP1508999A2 — PDF file: EP01508999A2.pdf — (not in database)
• Publication number: EP1517575A2 — PDF file: EP01517575A2.pdf — (not in database)
• Publication number: EP1524596A2 — PDF file: EP01524596A2.pdf — (in database)
• Publication number: EP1526424A2 — PDF file: EP01526424A2.pdf — (in database)
```

• Publication number: EP1526425A2 — PDF file: EP01526425A2.pdf — (in database)

```
• Publication number: EP1526426A2 — PDF file: EP01526426A2.pdf — (in database)
• Publication number: EP1526429A2 — PDF file: EP01526429A2.pdf — (not in database)
• Publication number: EP1526454A2 — PDF file: EP01526454A2.pdf — (not in database)
• Publication number: EP1536306A1 — PDF file: EP01536306A1.pdf — (in database)
• Publication number: EP1536654A2 — PDF file: EP01536654A2.pdf — (in database)
• Publication number: EP1542112A1 — PDF file: EP01542112A1.pdf — (in database)
• Publication number: EP1557741A2 — PDF file: EP01557741A2.pdf — (not in database)
• Publication number: EP1574928A1 — PDF file: EP01574928A1.pdf — (not in database)
• Publication number: EP1574978A1 — PDF file: EP01574978A1.pdf — (in database)
• Publication number: EP1587282A2 — PDF file: EP01587282A2.pdf — (not in database)
• Publication number: EP1589399A1 — PDF file: EP01589399A1.pdf — (in database)
• Publication number: EP1594032A2 — PDF file: EP01594032A2.pdf — (in database)
• Publication number: EP1594032A3 — PDF file: EP01594032A3.pdf — (in database)
• Publication number: EP1594083A1 — PDF file: EP01594083A1.pdf — (not in database)
• Publication number: EP1617587A1 — PDF file: EP01617587A1.pdf — (in database)
• Publication number: EP1621955A1 — PDF file: EP01621955A1.pdf — (in database)
• Publication number: EP1621956A1 — PDF file: EP01621956A1.pdf — (in database)
• Publication number: EP1635529A1 — PDF file: EP01635529A1.pdf — (in database)
• Publication number: EP1643341A2 — PDF file: EP01643341A2.pdf — (in database)
• Publication number: EP1643675A1 — PDF file: EP01643675A1.pdf — (in database)
• Publication number: EP1655920A2 — PDF file: EP01655920A2.pdf — (in database)
• Publication number: EP1669864A1 — PDF file: EP01669864A1.pdf — (in database)
• Publication number: EP1674963A1 — PDF file: EP01674963A1.pdf — (in database)
• Publication number: EP1677190A2 — PDF file: EP01677190A2.pdf — (in database)
• Publication number: EP1679632A2 — PDF file: EP01679632A2.pdf — (in database)
• Publication number: EP1679632A3 — PDF file: EP01679632A3.pdf — (in database)
• Publication number: EP1679634A2 — PDF file: EP01679634A2.pdf — (in database)
• Publication number: EP1683555A2 — PDF file: EP01683555A2.pdf — (in database)
• Publication number: EP1683556A2 — PDF file: EP01683556A2.pdf — (in database)
• Publication number: EP1689145A1 — PDF file: EP01689145A1.pdf — (in database)
• Publication number: EP1693804A2 — PDF file: EP01693804A2.pdf — (in database)
• Publication number: EP1703430A1 — PDF file: EP01703430A1.pdf — (in database)
• Publication number: EP1705936A2 — PDF file: EP01705936A2.pdf — (in database)
• Publication number: US5214700 — PDF file: US05214700 __.pdf — (not in database)
• Publication number: US5915085 — PDF file: US05915085 __.pdf — (not in database)
• Publication number: US6044367 — PDF file: US06044367 __.pdf — (not in database)
• Publication number: US6067545 — PDF file: US06067545 __.pdf — (not in database)
```

- Publication number: US6081900 PDF file: US06081900 __.pdf (not in database)
- Publication number: US6101508 PDF file: US06101508 __.pdf (not in database)
- Publication number: US6167521 PDF file: US06167521 __.pdf (in database)
- Publication number: US6185601 PDF file: US06185601 __.pdf (not in database)
- Publication number: US6233685B1 PDF file: US06233685__.pdf (in database)
- Publication number: US6327652B1 PDF file: US06327652__.pdf (in database)
- Publication number: US6425083 PDF file: US06425083__.pdf (not in database)
- Publication number: US6546434 PDF file: US06546434__.pdf (not in database)
- Publication number: US6629081 PDF file: US06629081__.pdf (not in database)
- Publication number: US6640302 PDF file: US06640302 __.pdf (not in database)
- Publication number: US6658568B1 PDF file: US06658568__.pdf (in database)
- Publication number: US6678833B1 PDF file: US06678833__.pdf (in database)
- Publication number: US6754815 PDF file: US06754815 __.pdf (not in database)
- Publication number: US6760441 PDF file: US06760441 __.pdf (not in database)
- Publication number: US6769058 PDF file: US06769058 __.pdf (not in database)
- Publication number: US6779168 PDF file: US06779168 __.pdf (not in database)
- Publication number: US6782349B2 PDF file: US06782349__.pdf (in database)
- Publication number: US6789189 PDF file: US06789189 __.pdf (not in database)
- Publication number: US6795905 PDF file: US06795905 __.pdf (not in database)
- Publication number: US6820199 PDF file: US06820199 __.pdf (not in database)
- Publication number: US6820202 PDF file: US06820202 __.pdf (not in database)
- Publication number: US6851054 PDF file: US06851054__.pdf (not in database)
- Publication number: US6851114 PDF file: US06851114 __.pdf (not in database)
- Publication number: US6857059 PDF file: US06857059 __.pdf (not in database)
- Publication number: US6886035 PDF file: US06886035 __.pdf (not in database)
- Publication number: US6889298B2 PDF file: US06889298__.pdf (in database)
- Publication number: US6892302 PDF file: US06892302 __.pdf (not in database)
- Publication number: US6901586 PDF file: US06901586 __.pdf (not in database)
- Publication number: US6915430 PDF file: US06915430__.pdf (not in database)
- Publication number: US6925557B2 PDF file: US06925557__.pdf (in database)
- Publication number: US6931530 PDF file: US06931530 __.pdf (not in database)
- Publication number: US6934817 PDF file: US06934817 __.pdf (not in database)
- Publication number: US6938156 PDF file: US06938156 __.pdf (not in database)
- Publication number: US6941458 PDF file: US06941458 __.pdf (not in database)
- Publication number: US6944300B2 PDF file: US06944300__.pdf (in database)
- Publication number: US6948065B2 PDF file: US06948065__.pdf (in database)
- Publication number: US6950936 PDF file: US06950936 __.pdf (not in database)

- Publication number: US6950940 PDF file: US06950940 __.pdf (not in database)
- Publication number: US6952773 PDF file: US06952773 __.pdf (not in database)
- Publication number: US6957336 PDF file: US06957336 __.pdf (not in database)
- Publication number: US6959381 PDF file: US06959381 __.pdf (not in database)
- Publication number: US6976162B1 PDF file: US06976162__.pdf (in database)
- Publication number: US6978369 PDF file: US06978369 __.pdf (not in database)
- Publication number: US6981154 PDF file: US06981154 __.pdf (not in database)
- Publication number: US6983368B2 PDF file: US06983368__.pdf (in database)
- Publication number: US6986042B2 PDF file: US06986042__.pdf (in database)
- Publication number: US6986052 PDF file: US06986052 __.pdf (not in database)
- Publication number: US6990579B1 PDF file: US06990579__.pdf (in database)
- Publication number: US6990666 PDF file: US06990666 __.pdf (not in database)
- Publication number: US6993648B2 PDF file: US06993648__.pdf (in database)
- Publication number: US6996710B1 PDF file: US06996710__.pdf (in database)
- Publication number: US6996748B2 PDF file: US06996748__.pdf (in database)
- Publication number: US7000829B1 PDF file: US07000829__.pdf (in database)
- Publication number: US7010691 PDF file: US07010691 __.pdf (not in database)
- Publication number: US7013384B2 PDF file: US07013384__.pdf (in database)
- Publication number: US7013481B1 PDF file: US07013481__.pdf (in database)
- Publication number: US7013484B1 PDF file: US07013484__.pdf (in database)
- Publication number: US7020738B2 PDF file: US07020738__.pdf (in database)
- Publication number: US7020758 PDF file: US07020758 __.pdf (not in database)
- Publication number: US7024555 PDF file: US07024555 __.pdf (not in database)
- Publication number: US7028149B2 PDF file: US07028149__.pdf (in database)
- Publication number: US7028185 PDF file: US07028185 __.pdf (not in database)
- Publication number: US7035963B2 PDF file: US07035963__.pdf (in database)
- Publication number: US7036020 PDF file: US07036020 __.pdf (not in database)
- Publication number: US7039655 PDF file: US07039655 __.pdf (not in database)
- Publication number: US7039827 PDF file: US07039827 __.pdf (not in database)
- Publication number: US7043616 PDF file: US07043616 __.pdf (not in database)
- Publication number: US7047414 PDF file: US07047414 __.pdf (not in database)
- Publication number: US7047416B2 PDF file: US07047416__.pdf (in database)
- Publication number: US7058807B2 PDF file: US07058807__.pdf (in database)
- Publication number: US7069234 PDF file: US07069234 __.pdf (not in database)
- Publication number: US7069442B2 PDF file: US07069442__.pdf (in database)
- Publication number: US7072807 PDF file: US07072807 __.pdf (not in database)
- Publication number: US7073042B2 PDF file: US07073042 __.pdf (in database)

- Publication number: US7073059B2 PDF file: US07073059__.pdf (in database)
- Publication number: US7076655B2 PDF file: US07076655__.pdf (in database)
- Publication number: US7076669B2 PDF file: US07076669__.pdf (in database)
- Publication number: US7076802B2 PDF file: US07076802__.pdf (in database)
- Publication number: US7082507 PDF file: US07082507 __.pdf (not in database)
- Publication number: US7082533 PDF file: US07082533 __.pdf (not in database)
- Publication number: US7082615 PDF file: US07082615 __.pdf (not in database)
- Publication number: US7085933B2 PDF file: US07085933__.pdf (in database)
- Publication number: US7085935B1 PDF file: US07085935__.pdf (in database)
- *Publication number*: US7089418B1 *PDF file*: US07089418__.pdf (in database)
- Publication number: US7092949 PDF file: US07092949 __.pdf (not in database)
- Publication number: US7095859B2 PDF file: US07095859__.pdf (in database)
- Publication number: US7096204B1 PDF file: US07096204__.pdf (in database)
- Publication number: US7096354 PDF file: US07096354 __.pdf (not in database)
- Publication number: US7103529B2 PDF file: US07103529__.pdf (in database)
- Publication number: US7103771B2 PDF file: US07103771__.pdf (in database)
- Publication number: US7107285 PDF file: US07107285 __.pdf (not in database)
- Publication number: US7107460B2 PDF file: US07107460 __.pdf (in database)
- Publication number: US7111176 PDF file: US07111176 __.pdf (not in database)
- Publication number: US7117284 PDF file: US07117284 __.pdf (not in database)
- Publication number: US7117376B2 PDF file: US07117376__.pdf (in database)
- Publication number: US7121460B1 PDF file: US07121460__.pdf (in database)
- Publication number: US7124327B2 PDF file: US07124327__.pdf (in database)
- Publication number: US7127548 PDF file: US07127548 __.pdf (not in database)
- Publication number: US7127606B2 PDF file: US07127606__.pdf (in database)
- Publication number: US20020016913A1 PDF file: US22016913A1.pdf (in database)
- Publication number: US20020023217A1 PDF file: US22023217A1.pdf (in database)
- Publication number: US20020026575A1 PDF file: US22026575A1.pdf (in database)
- Publication number: US20020059286A1 PDF file: US22059286A1.pdf (in database)
- Publication number: US20020059356A1 PDF file: US22059356A1.pdf (not in database)
- Publication number: US20020065776A1 PDF file: US22065776A1.pdf (not in database)
- Publication number: US20020065869A1 PDF file: US22065869A1.pdf (not in database)
- Publication number: US20020065874A1 PDF file: US22065874A1.pdf (not in database)
- Publication number: US20020065876A1 PDF file: US22065876A1.pdf (not in database)
- Publication number: US20020065945A1 PDF file: US22065945A1.pdf (not in database)
- Publication number: US20020066021A1 PDF file: US22066021A1.pdf (not in database)
- Publication number: US20020066022A1 PDF file: US22066022A1.pdf (not in database)

```
• Publication number: US20020080974A1 — PDF file: US22080974A1.pdf — (in database)

    Publication number: US20020083332A1 — PDF file: US22083332A1.pdf — (in database)

• Publication number: US20020087877A1 — PDF file: US22087877A1.pdf — (in database)
• Publication number: US20020092003A1 — PDF file: US22092003A1.pdf — (not in database)
• Publication number: US20020103889A1 — PDF file: US22103889A1.pdf — (in database)
• Publication number: US20020112113A1 — PDF file: US22112113A1.pdf — (not in database)
• Publication number: US20020120575A1 — PDF file: US22120575A1.pdf — (in database)
• Publication number: US20020120863A1 — PDF file: US22120863A1.pdf — (in database)
• Publication number: US20020129248A1 — PDF file: US22129248A1.pdf — (in database)
• Publication number: US20020134837A1 — PDF file: US22134837A1.pdf — (in database)

    Publication number: US20020161907A1 — PDF file: US22161907A1.pdf — (not in database)

• Publication number: US20020169717A1 — PDF file: US22169717A1.pdf — (in database)
• Publication number: US20020180778A1 — PDF file: US22180778A1.pdf — (in database)
• Publication number: US20020188711A1 — PDF file: US22188711A1.pdf — (not in database)

    Publication number: US20020188763A1 — PDF file: US22188763A1.pdf — (in database)

• Publication number: US20020194389A1 — PDF file: US22194389A1.pdf — (in database)
• Publication number: US20020194482A1 — PDF file: US22194482A1.pdf — (in database)
• Publication number: US20020194496A1 — PDF file: US22194496A1.pdf — (in database)
• Publication number: US20020196946A1 — PDF file: US22196946A1.pdf — (in database)
• Publication number: US20030014372A1 — PDF file: US23014372A1.pdf — (in database)
• Publication number: US20030023872A1 - PDF file: US23023872A1.pdf — (in database)
• Publication number: US20030028807A1 — PDF file: US23028807A1.pdf — (in database)
• Publication number: US20030033495A1 — PDF file: US23033495A1.pdf — (in database)
• Publication number: US20030037231A1 — PDF file: US23037231A1.pdf — (in database)

    Publication number: US20030037233A1 — PDF file: US23037233A1.pdf — (in database)

• Publication number: US20030037244A1 — PDF file: US23037244A1.pdf — (in database)
• Publication number: US20030037246A1 — PDF file: US23037246A1.pdf — (in database)

    Publication number: US20030037255A1 — PDF file: US23037255A1.pdf — (not in database)

• Publication number: US20030041250A1 — PDF file: US23041250A1.pdf — (in database)
• Publication number: US20030046529A1 — PDF file: US23046529A1.pdf — (in database)
• Publication number: US20030046542A1 - PDF file: US23046542A1.pdf (in database)
• Publication number: US20030046589A1 — PDF file: US23046589A1.pdf — (in database)
• Publication number: US20030051133A1 — PDF file: US23051133A1.pdf — (in database)
• Publication number: US20030051171A1 — PDF file: US23051171A1.pdf — (in database)
• Publication number: US20030053630A1 — PDF file: US23053630A1.pdf — (in database)
• Publication number: US20030061494A1 — PDF file: US23061494A1.pdf — (in database)
```

• Publication number: US20030061497A1 — PDF file: US23061497A1.pdf — (in database)

- Publication number: US20030069973A1 PDF file: US23069973A1.pdf (not in database)
 Publication number: US20030074230A1 PDF file: US23074230A1.pdf (in database)
 Publication number: US20030074294A1 PDF file: US23074294A1.pdf (in database)
- Publication number: US20030074548A1 PDF file: US23074548A1.pdf (in database)
- Publication number: US20030084278A1 PDF file: US23084278A1.pdf (in database)
- Publication number: US20030084285A1 PDF file: US23084285A1.pdf (in database)
- Publication number: US20030088748A1 PDF file: US23088748A1.pdf (in database)
- Publication number: US20030088776A1 PDF file: US23088776A1.pdf (in database)
- Publication number: US20030095665A1 PDF file: US23095665A1.pdf (not in database)
- Publication number: US20030097561A1 PDF file: US23097561A1.pdf (not in database)
- Publication number: US20030097562A1 PDF file: US23097562A1.pdf (not in database)
- Publication number: US20030097565A1 PDF file: US23097565A1.pdf (not in database)
- Publication number: US20030097569A1 PDF file: US23097569A1.pdf (not in database)
- Publication number: US20030097570A1 PDF file: US23097570A1.pdf (not in database)
- Publication number: US20030097573A1 PDF file: US23097573A1.pdf (not in database)
- Publication number: US20030101136A1 PDF file: US23101136A1.pdf (not in database)
- Publication number: US20030101344A1 PDF file: US23101344A1.pdf (not in database)
- Publication number: US20030105810A1 PDF file: US23105810A1.pdf (not in database)
- Publication number: US20030105965A1 PDF file: US23105965A1.pdf (in database)
- Publication number: US20030105980A1 PDF file: $\underline{US23105980A1.pdf}$ (in database)
- Publication number: US20030110372A1 PDF file: <u>US23110372A1.pdf</u> (in database)
- Publication number: US20030115151A1 PDF file: US23115151A1.pdf (not in database)
- $\bullet \textit{ Publication number: } US20030115453A1 -- \textit{PDF file: } \underline{US23115453A1.pdf} -- (in database)$
- Publication number: US20030115463A1 PDF file: <u>US23115463A1.pdf</u> (not in database)
- Publication number: US20030126200A1 PDF file: US23126200A1.pdf (not in database)
- Publication number: US20030126233A1 PDF file: US23126233A1.pdf (not in database)
- $\bullet \textit{ Publication number: } US20030126442A1 -- \textit{PDF file: } \underline{US23126442A1.pdf} -- (in database)$
- Publication number: US20030126453A1 PDF file: US23126453A1.pdf (in database)
- Publication number: US20030126454A1 PDF file: $\underline{\text{US23126454A1.pdf}}$ (in database)
- Publication number: US20030131152A1 PDF file: US23131152A1.pdf (not in database)
- Publication number: US20030133575A1 PDF file: US23133575A1.pdf (in database)
- Publication number: US20030135385A1 PDF file: US23135385A1.pdf (not in database)
- Publication number: US20030135727A1 PDF file: US23135727A1.pdf (in database)
- Publication number: US20030138105A1 PDF file: US23138105A1.pdf (in database)
- Publication number: US20030145222A1 PDF file: US23145222A1.pdf (in database)
- Publication number: US20030149833A1 PDF file: <u>US23149833A1.pdf</u> (not in database)
- Publication number: US20030158960A1 PDF file: US23158960A1.pdf (not in database)

```
• Publication number: US20030159056A1 — PDF file: US23159056A1.pdf — (in database)

    Publication number: US20030163711A1 — PDF file: US23163711A1.pdf — (in database)

• Publication number: US20030174842A1 — PDF file: US23174842A1.pdf — (in database)
• Publication number: US20030177176A1 — PDF file: US23177176A1.pdf — (not in database)
• Publication number: US20030182431A1 — PDF file: US23182431A1.pdf — (not in database)
• Publication number: US20030182561A1 — PDF file: US23182561A1.pdf — (in database)
• Publication number: US20030188113A1 — PDF file: US23188113A1.pdf — (in database)

    Publication number: US20030188165A1 — PDF file: US23188165A1.pdf — (in database)

• Publication number: US20030188173A1 — PDF file: US23188173A1.pdf — (in database)
• Publication number: US20030188179A1 — PDF file: US23188179A1.pdf — (in database)
• Publication number: US20030191943A1 — PDF file: US23191943A1.pdf — (in database)
• Publication number: US20030194094A1 — PDF file: US23194094A1.pdf — (in database)
• Publication number: US20030196083A1 — PDF file: US23196083A1.pdf — (in database)
• Publication number: US20030196085A1 — PDF file: US23196085A1.pdf — (in database)
• Publication number: US20030196088A1 - PDF file: US23196088A1.pdf — (in database)
• Publication number: US20030196099A1 — PDF file: US23196099A1.pdf — (in database)
• Publication number: US20030196100A1 — PDF file: US23196100A1.pdf — (in database)
• Publication number: US20030196110A1 — PDF file: US23196110A1.pdf — (in database)
• Publication number: US20030196111A1 — PDF file: US23196111A1.pdf — (in database)
• Publication number: US20030208338A1 — PDF file: US23208338A1.pdf — (in database)
• Publication number: US20030221114A1 - PDF file: US23221114A1.pdf (in database)
• Publication number: US20030226014A1 — PDF file: US23226014A1.pdf — (not in database)
• Publication number: US20030226016A1 — PDF file: US23226016A1.pdf — (in database)
• Publication number: US20030226031A1 — PDF file: US23226031A1.pdf — (in database)

    Publication number: US20030226040A1 — PDF file: US23226040A1.pdf — (in database)

• Publication number: US20030229794A1 — PDF file: US23229794A1.pdf — (in database)
• Publication number: US20030229802A1 — PDF file: US23229802A1.pdf — (in database)

    Publication number: US20030229900A1 — PDF file: US23229900A1.pdf — (not in database)

• Publication number: US20040003265A1 — PDF file: US24003265A1.pdf — (in database)
• Publication number: US20040003272A1 — PDF file: US24003272A1.pdf — (in database)
• Publication number: US20040003273A1 - PDF file: US24003273A1.pdf — (in database)
• Publication number: US20040003288A1 — PDF file: US24003288A1.pdf — (in database)
• Publication number: US20040005051A1 — PDF file: US24005051A1.pdf — (not in database)

    Publication number: US20040015700A1 — PDF file: US24015700A1.pdf — (not in database)

• Publication number: US20040025052A1 — PDF file: US24025052A1.pdf — (not in database)
• Publication number: US20040025162A1 — PDF file: US24025162A1.pdf — (not in database)
```

• Publication number: US20040030755A1 — PDF file: US24030755A1.pdf — (not in database)

- $\bullet \ \textit{Publication number}: \ US20040030901A1 --- \textit{PDF file}: \ \underline{US24030901A1.pdf} --- (in \ database)$
- Publication number: US20040031058A1 PDF file: US24031058A1.pdf (not in database)
- Publication number: US20040039946A1 PDF file: US24039946A1.pdf (in database)
- Publication number: US20040049702A1 PDF file: US24049702A1.pdf (not in database)
- Publication number: US20040054850A1 PDF file: US24054850A1.pdf (not in database)
- Publication number: US20040064457A1 PDF file: US24064457A1.pdf (in database)
- Publication number: US20040073806A1 PDF file: US24073806A1.pdf (in database)
- Publication number: US20040078572A1 PDF file: US24078572A1.pdf (in database)
- Publication number: US20040083366A1 PDF file: US24083366A1.pdf (in database)
- Publication number: US20040093505A1 PDF file: US24093505A1.pdf (in database)
- Publication number: US20040103272A1 PDF file: US24103272A1.pdf (not in database)
- Publication number: US20040103281A1 PDF file: US24103281A1.pdf (in database)
- Publication number: US20040103299A1 PDF file: US24103299A1.pdf (in database)
- Publication number: US20040109569A1 PDF file: US24109569A1.pdf (in database)
- Publication number: US20040117318A1 PDF file: US24117318A1.pdf (in database)
- Publication number: US20040117358A1 PDF file: US24117358A1.pdf (not in database)
- Publication number: US20040117616A1 PDF file: US24117616A1.pdf (in database)
- Publication number: US20040117625A1 PDF file: US24117625A1.pdf (in database)
- Publication number: US20040125949A1 PDF file: US24125949A1.pdf (not in database)
- Publication number: US20040128528A1 PDF file: US24128528A1.pdf (in database)
- Publication number: US20040128549A1 PDF file: US24128549A1.pdf (in database)
- Publication number: US20040133668A1 PDF file: US24133668A1.pdf (not in database)
- Publication number: US20040139202A1 PDF file: US24139202A1.pdf (not in database)
- Publication number: US20040147251A1 PDF file: US24147251A1.pdf (in database)
- Publication number: US20040151319A1 PDF file: US24151319A1.pdf (in database)
- Publication number: US20040153644A1 PDF file: US24153644A1.pdf (in database)
- Publication number: US20040160446A1 PDF file: US24160446A1.pdf (not in database)
- Publication number: US20040165588A1 PDF file: US24165588A1.pdf (not in database)
- Publication number: US20040165728A1 PDF file: US24165728A1.pdf (in database)
- Publication number: US20040172534A1 PDF file: US24172534A1.pdf (in database)
- Publication number: US20040172542A1 PDF file: US24172542A1.pdf (in database)
- Publication number: US20040172545A1 PDF file: US24172545A1.pdf (in database)
- Publication number: US20040177264A1 PDF file: US24177264A1.pdf (in database)
- Publication number: US20040186906A1 PDF file: US24186906A1.pdf (not in database)
- Publication number: US20040187122A1 PDF file: US24187122A1.pdf (not in database)
- Publication number: US20040193883A1 PDF file: US24193883A1.pdf (in database)
- Publication number: US20040193888A1 PDF file: US24193888A1.pdf (in database)

```
• Publication number: US20040193917A1 — PDF file: US24193917A1.pdf — (in database)
• Publication number: US20040194104A1 — PDF file: US24194104A1.pdf — (in database)
• Publication number: US20040199578A1 — PDF file: US24199578A1.pdf — (not in database)
• Publication number: US20040199769A1 — PDF file: US24199769A1.pdf — (in database)
• Publication number: US20040205070A1 — PDF file: US24205070A1.pdf — (in database)
• Publication number: US20040205203A1 — PDF file: US24205203A1.pdf — (in database)
• Publication number: US20040205341A1 — PDF file: US24205341A1.pdf — (in database)

    Publication number: US20040205353A1 — PDF file: US24205353A1.pdf — (in database)

• Publication number: US20040205362A1 — PDF file: US24205362A1.pdf — (in database)
• Publication number: US20040210320A1 — PDF file: US24210320A1.pdf — (not in database)
• Publication number: US20040210591A1 — PDF file: US24210591A1.pdf — (in database)
• Publication number: US20040210724A1 — PDF file: US24210724A1.pdf — (not in database)
• Publication number: US20040210768A1 — PDF file: US24210768A1.pdf — (not in database)
• Publication number: US20040210906A1 — PDF file: US24210906A1.pdf — (in database)

    Publication number: US20040218414A1 — PDF file: US24218414A1.pdf — (not in database)

• Publication number: US20040225659A1 — PDF file: US24225659A1.pdf — (not in database)
• Publication number: US20040225952A1 — PDF file: US24225952A1.pdf — (not in database)
• Publication number: US20040230540A1 — PDF file: US24230540A1.pdf — (in database)
• Publication number: US20040230794A1 — PDF file: US24230794A1.pdf — (in database)
• Publication number: US20040230797A1 — PDF file: US24230797A1.pdf — (not in database)

    Publication number: US20040230970A1 — PDF file: US24230970A1.pdf — (in database)

• Publication number: US20040236960A1 — PDF file: US24236960A1.pdf — (not in database)
• Publication number: US20040249911A1 — PDF file: US24249911A1.pdf — (not in database)
• Publication number: US20040249973A1 — PDF file: US24249973A1.pdf — (not in database)

    Publication number: US20040249974A1 — PDF file: US24249974A1.pdf — (not in database)

• Publication number: US20040250099A1 — PDF file: US24250099A1.pdf — (not in database)
• Publication number: US20040250110A1 — PDF file: US24250110A1.pdf — (in database)

    Publication number: US20040250121A1 — PDF file: US24250121A1.pdf — (not in database)

• Publication number: US20040250126A1 — PDF file: US24250126A1.pdf — (in database)
• Publication number: US20040267578A1 — PDF file: US24267578A1.pdf — (in database)

    Publication number: US20040268135A1 — PDF file: US24268135A1.pdf — (in database)

• Publication number: US20040268140A1 — PDF file: US24268140A1.pdf — (in database)
• Publication number: US20050005135A1 — PDF file: US25005135A1.pdf — (not in database)
• Publication number: US20050005136A1 — PDF file: US25005136A1.pdf — (not in database)
• Publication number: US20050010760A1 — PDF file: US25010760A1.pdf — (in database)
• Publication number: US20050010811A1 — PDF file: US25010811A1.pdf — (in database)
```

• Publication number: US20050012830A1 — PDF file: US25012830A1.pdf — (not in database)

```
• Publication number: US20050021968A1 — PDF file: US25021968A1.pdf — (in database)
• Publication number: US20050028003A1 — PDF file: US25028003A1.pdf — (in database)

    Publication number: US20050033721A1 — PDF file: US25033721A1.pdf — (in database)

• Publication number: US20050033722A1 — PDF file: US25033722A1.pdf — (in database)
 Publication number: US20050033972A1 — PDF file: US25033972A1.pdf — (in database)
• Publication number: US20050033978A1 — PDF file: US25033978A1.pdf — (not in database)

    Publication number: US20050033982A1 — PDF file: US25033982A1.pdf — (in database)

    Publication number: US20050033987A1 — PDF file: US25033987A1.pdf — (in database)

• Publication number: US20050033991A1 — PDF file: US25033991A1.pdf — (in database)
• Publication number: US20050038887A1 — PDF file: US25038887A1.pdf — (not in database)
 Publication number: US20050039003A1 — PDF file: US25039003A1.pdf — (in database)
 Publication number: US20050039013A1 — PDF file: US25039013A1.pdf — (in database)
• Publication number: US20050039016A1 — PDF file: US25039016A1.pdf — (in database)
• Publication number: US20050039031A1 — PDF file: US25039031A1.pdf — (in database)
 Publication number: US20050044016A1 — PDF file: US25044016A1.pdf — (not in database)
• Publication number: US20050044404A1 — PDF file: US25044404A1.pdf — (in database)

    Publication number: US20050044408A1 — PDF file: US25044408A1.pdf — (in database)

 Publication number: US20050044433A1 — PDF file: US25044433A1.pdf — (in database)
• Publication number: US20050055588A1 — PDF file: US25055588A1.pdf — (in database)
• Publication number: US20050058294A1 — PDF file: US25058294A1.pdf — (in database)
• Publication number: US20050060485A1 - PDF file: US25060485A1.pdf - (in database)
• Publication number: US20050060503A1 — PDF file: US25060503A1.pdf — (in database)
• Publication number: US20050060561A1 — PDF file: US25060561A1.pdf — (in database)
• Publication number: US20050060568A1 — PDF file: US25060568A1.pdf — (in database)
 Publication number: US20050066191A1 — PDF file: US25066191A1.pdf — (in database)
• Publication number: US20050066230A1 — PDF file: US25066230A1.pdf — (not in database)
• Publication number: US20050066355A1 — PDF file: US25066355A1.pdf — (in database)
• Publication number: US20050069135A1 — PDF file: US25069135A1.pdf — (in database)

    Publication number: US20050071280A1 — PDF file: US25071280A1.pdf — (in database)

• Publication number: US20050071472A1 — PDF file: US25071472A1.pdf — (not in database)
• Publication number: US20050071645A1 - PDF file: US25071645A1.pdf (in database)

    Publication number: US20050071677A1 — PDF file: US25071677A1.pdf — (in database)

• Publication number: US20050076186A1 — PDF file: US25076186A1.pdf — (in database)
• Publication number: US20050080753A1 — PDF file: US25080753A1.pdf — (in database)
• Publication number: US20050081020A1 — PDF file: US25081020A1.pdf — (not in database)
```

Publication number: US20050081065A1 — PDF file: US25081065A1.pdf — (in database)
Publication number: US20050081199A1 — PDF file: US25081199A1.pdf — (in database)

```
• Publication number: US20050086326A1 — PDF file: US25086326A1.pdf — (in database)

    Publication number: US20050086509A1 — PDF file: US25086509A1.pdf — (in database)

• Publication number: US20050086511A1 — PDF file: US25086511A1.pdf — (in database)
• Publication number: US20050091192A1 — PDF file: US25091192A1.pdf — (not in database)
• Publication number: US20050091214A1 — PDF file: US25091214A1.pdf — (not in database)
• Publication number: US20050091486A1 — PDF file: US25091486A1.pdf — (in database)
• Publication number: US20050091494A1 — PDF file: US25091494A1.pdf — (in database)

    Publication number: US20050091496A1 — PDF file: US25091496A1.pdf — (in database)

• Publication number: US20050091503A1 — PDF file: US25091503A1.pdf — (in database)
• Publication number: US20050091530A1 — PDF file: US25091530A1.pdf — (in database)

    Publication number: US20050091535A1 — PDF file: US25091535A1.pdf — (not in database)

• Publication number: US20050091655A1 — PDF file: US25091655A1.pdf — (not in database)
• Publication number: US20050091658A1 — PDF file: US25091658A1.pdf — (not in database)
• Publication number: US20050097260A1 — PDF file: US25097260A1.pdf — (not in database)
• Publication number: US20050105734A1 - PDF file: US25105734A1.pdf - (in database)
• Publication number: US20050108171A1 — PDF file: US25108171A1.pdf — (in database)
• Publication number: US20050108518A1 — PDF file: US25108518A1.pdf — (not in database)
• Publication number: US20050108534A1 — PDF file: US25108534A1.pdf — (in database)
• Publication number: US20050108564A1 — PDF file: US25108564A1.pdf — (in database)
• Publication number: US20050114682A1 — PDF file: US25114682A1.pdf — (in database)

    Publication number: US20050114683A1 — PDF file: US25114683A1.pdf — (in database)

• Publication number: US20050114686A1 — PDF file: US25114686A1.pdf — (in database)
• Publication number: US20050114687A1 — PDF file: US25114687A1.pdf — (in database)
• Publication number: US20050120219A1 — PDF file: US25120219A1.pdf — (in database)

    Publication number: US20050125513A1 — PDF file: US25125513A1.pdf — (not in database)

• Publication number: US20050125593A1 — PDF file: US25125593A1.pdf — (not in database)
• Publication number: US20050129244A1 — PDF file: US25129244A1.pdf — (in database)
• Publication number: US20050132031A1 — PDF file: US25132031A1.pdf — (in database)
• Publication number: US20050132122A1 — PDF file: US25132122A1.pdf — (in database)
• Publication number: US20050132177A1 — PDF file: US25132177A1.pdf — (in database)
• Publication number: US20050132182A1 — PDF file: US25132182A1.pdf — (in database)
• Publication number: US20050132229A1 — PDF file: US25132229A1.pdf — (in database)
• Publication number: US20050133582A1 — PDF file: US25133582A1.pdf — (in database)
• Publication number: US20050135626A1 — PDF file: US25135626A1.pdf — (in database)
• Publication number: US20050136968A1 — PDF file: US25136968A1.pdf — (in database)
• Publication number: US20050137889A1 — PDF file: US25137889A1.pdf — (in database)
```

• Publication number: US20050138159A1 — PDF file: US25138159A1.pdf — (not in database)

• Publication number: US20050138370A1 — PDF file: US25138370A1.pdf — (in database) Publication number: US20050138384A1 — PDF file: US25138384A1.pdf — (in database) • Publication number: US20050138389A1 — PDF file: US25138389A1.pdf — (in database) • Publication number: US20050138393A1 — PDF file: US25138393A1.pdf — (in database) Publication number: US20050138399A1 — PDF file: US25138399A1.pdf — (not in database) • Publication number: US20050138423A1 — PDF file: US25138423A1.pdf — (in database) • Publication number: US20050138427A1 — PDF file: US25138427A1.pdf — (not in database) Publication number: US20050138434A1 — PDF file: US25138434A1.pdf — (in database) Publication number: US20050141717A1 — PDF file: US25141717A1.pdf — (in database) • Publication number: US20050144440A1 — PDF file: US25144440A1.pdf — (in database) Publication number: US20050144443A1 — PDF file: US25144443A1.pdf — (in database) Publication number: US20050144477A1 — PDF file: US25144477A1.pdf — (in database) • Publication number: US20050149722A1 — PDF file: US25149722A1.pdf — (in database) Publication number: US20050149726A1 — PDF file: US25149726A1.pdf — (in database) Publication number: US20050149729A1 — PDF file: US25149729A1.pdf — (in database) • Publication number: US20050149730A1 — PDF file: US25149730A1.pdf — (in database) • Publication number: US20050149733A1 — PDF file: US25149733A1.pdf — (in database) Publication number: US20050149924A1 — PDF file: US25149924A1.pdf — (not in database) • Publication number: US20050152539A1 — PDF file: US25152539A1.pdf — (in database) • Publication number: US20050154890A1 — PDF file: US25154890A1.pdf — (in database) Publication number: US20050154930A1 — PDF file: US25154930A1.pdf — (in database) • Publication number: US20050157881A1 — PDF file: US25157881A1.pdf — (in database) • Publication number: US20050160251A1 — PDF file: US25160251A1.pdf — (in database) • Publication number: US20050160281A1 — PDF file: US25160281A1.pdf — (in database) Publication number: US20050163317A1 — PDF file: US25163317A1.pdf — (in database) • Publication number: US20050166024A1 — PDF file: US25166024A1.pdf — (in database) • Publication number: US20050166051A1 — PDF file: US25166051A1.pdf — (in database) Publication number: US20050172134A1 — PDF file: US25172134A1.pdf — (in database) Publication number: US20050177749A1 — PDF file: US25177749A1.pdf — (in database) • Publication number: US20050182940A1 — PDF file: US25182940A1.pdf — (in database) • Publication number: US20050182952A1 - PDF file: US25182952A1.pdf (in database) • Publication number: US20050182973A1 — PDF file: US25182973A1.pdf — (not in database) • Publication number: US20050187966A1 — PDF file: US25187966A1.pdf — (in database) Publication number: US20050187980A1 — PDF file: US25187980A1.pdf — (not in database) • Publication number: US20050193222A1 — PDF file: US25193222A1.pdf — (not in database) • Publication number: US20050198412A1 — PDF file: US25198412A1.pdf — (not in database)

• Publication number: US20050204126A1 — PDF file: US25204126A1.pdf — (in database)

```
• Publication number: US20050207407A1 — PDF file: US25207407A1.pdf — (in database)
• Publication number: US20050210180A1 — PDF file: US25210180A1.pdf — (in database)
• Publication number: US20050210231A1 — PDF file: US25210231A1.pdf — (in database)
• Publication number: US20050210467A1 — PDF file: US25210467A1.pdf — (in database)
• Publication number: US20050213768A1 — PDF file: US25213768A1.pdf — (in database)
• Publication number: US20050216577A1 — PDF file: US25216577A1.pdf — (in database)
• Publication number: US20050216736A1 — PDF file: US25216736A1.pdf — (in database)
• Publication number: US20050221766A1 — PDF file: US25221766A1.pdf — (in database)
• Publication number: US20050223007A1 — PDF file: US25223007A1.pdf — (in database)
• Publication number: US20050223221A1 — PDF file: US25223221A1.pdf — (in database)
• Publication number: US20050223239A1 - PDF file: US25223239A1.pdf (in database)
• Publication number: US20050228687A1 — PDF file: US25228687A1.pdf — (in database)
• Publication number: US20050228993A1 — PDF file: US25228993A1.pdf — (in database)
• Publication number: US20050229008A1 — PDF file: US25229008A1.pdf — (in database)

    Publication number: US20050229011A1 — PDF file: US25229011A1.pdf — (in database)

• Publication number: US20050232285A1 — PDF file: US25232285A1.pdf — (not in database)
• Publication number: US20050234909A1 — PDF file: US25234909A1.pdf — (in database)
• Publication number: US20050235141A1 — PDF file: US25235141A1.pdf — (in database)
• Publication number: US20050240558A1 — PDF file: US25240558A1.pdf — (not in database)
• Publication number: US20050240995A1 — PDF file: US25240995A1.pdf — (in database)

    Publication number: US20050240998A1 — PDF file: US25240998A1.pdf — (in database)

• Publication number: US20050243740A1 — PDF file: US25243740A1.pdf — (not in database)
• Publication number: US20050246505A1 — PDF file: US25246505A1.pdf — (in database)
• Publication number: US20050246521A1 — PDF file: US25246521A1.pdf — (in database)
• Publication number: US20050246525A1 — PDF file: US25246525A1.pdf — (in database)
• Publication number: US20050246552A1 — PDF file: US25246552A1.pdf — (in database)
• Publication number: US20050251806A1 — PDF file: US25251806A1.pdf — (not in database)

    Publication number: US20050251857A1 — PDF file: US25251857A1.pdf — (in database)

• Publication number: US20050251865A1 — PDF file: US25251865A1.pdf — (in database)
• Publication number: US20050251867A1 — PDF file: US25251867A1.pdf — (in database)
• Publication number: US20050252971A1 — PDF file: US25252971A1.pdf — (not in database)
• Publication number: US20050257048A1 — PDF file: US25257048A1.pdf — (in database)
• Publication number: US20050257073A1 — PDF file: US25257073A1.pdf — (in database)
• Publication number: US20050257079A1 — PDF file: US25257079A1.pdf — (in database)
• Publication number: US20050257272A1 — PDF file: US25257272A1.pdf — (in database)
• Publication number: US20050262352A1 — PDF file: US25262352A1.pdf — (not in database)
• Publication number: US20050262571A1 — PDF file: US25262571A1.pdf — (in database)
```

```
• Publication number: US20050268032A1 — PDF file: US25268032A1.pdf — (not in database)
• Publication number: US20050268093A1 — PDF file: US25268093A1.pdf — (in database)

    Publication number: US20050268103A1 — PDF file: US25268103A1.pdf — (in database)

• Publication number: US20050273602A1 — PDF file: US25273602A1.pdf — (in database)
 Publication number: US20050275661A1 — PDF file: US25275661A1.pdf — (in database)
• Publication number: US20050278253A1 — PDF file: US25278253A1.pdf — (in database)
• Publication number: US20050278499A1 — PDF file: US25278499A1.pdf — (in database)
 Publication number: US20050278563A1 — PDF file: US25278563A1.pdf — (in database)
• Publication number: US20050278775A1 — PDF file: US25278775A1.pdf — (in database)
• Publication number: US20050283601A1 — PDF file: US25283601A1.pdf — (in database)
 Publication number: US20050283640A1 — PDF file: US25283640A1.pdf — (not in database)
 Publication number: US20050283826A1 — PDF file: US25283826A1.pdf — (in database)
• Publication number: US20050286746A1 — PDF file: US25286746A1.pdf — (in database)
• Publication number: US20050288056A1 — PDF file: US25288056A1.pdf — (in database)
 Publication number: US20050289067A1 — PDF file: US25289067A1.pdf — (in database)
• Publication number: US20050289343A1 — PDF file: US25289343A1.pdf — (in database)

    Publication number: US20050289347A1 — PDF file: US25289347A1.pdf — (in database)

 Publication number: US20050289646A1 — PDF file: US25289646A1.pdf — (in database)
• Publication number: US20060002427A1 — PDF file: US26002427A1.pdf — (in database)

    Publication number: US20060004944A1 — PDF file: US26004944A1.pdf — (in database)

• Publication number: US20060005000A1 - PDF file: US26005000A1.pdf - (in database)
• Publication number: US20060005009A1 — PDF file: US26005009A1.pdf — (in database)
• Publication number: US20060005254A1 — PDF file: US26005254A1.pdf — (in database)
• Publication number: US20060010079A1 — PDF file: US26010079A1.pdf — (in database)
 Publication number: US20060010326A1 — PDF file: US26010326A1.pdf — (in database)
• Publication number: US20060013399A1 — PDF file: US26013399A1.pdf — (in database)
• Publication number: US20060013400A1 — PDF file: US26013400A1.pdf — (in database)

    Publication number: US20060013402A1 — PDF file: US26013402A1.pdf — (in database)

    Publication number: US20060015717A1 — PDF file: US26015717A1.pdf — (in database)

• Publication number: US20060015718A1 — PDF file: US26015718A1.pdf — (in database)
• Publication number: US20060015719A1 - PDF file: US26015719A1.pdf (in database)
• Publication number: US20060015723A1 — PDF file: US26015723A1.pdf — (in database)
• Publication number: US20060015732A1 — PDF file: US26015732A1.pdf — (in database)

    Publication number: US20060015749A1 — PDF file: US26015749A1.pdf — (not in database)

• Publication number: US20060015751A1 — PDF file: US26015751A1.pdf — (in database)
• Publication number: US20060015860A1 — PDF file: US26015860A1.pdf — (in database)
```

Publication number: US20060015869A1 — PDF file: US26015869A1.pdf — (in database)

```
• Publication number: US20060020781A1 — PDF file: US26020781A1.pdf — (in database)

    Publication number: US20060020785A1 — PDF file: US26020785A1.pdf — (in database)

    Publication number: US20060021029A1 — PDF file: US26021029A1.pdf — (in database)

• Publication number: US20060021032A1 — PDF file: US26021032A1.pdf — (not in database)
 Publication number: US20060021041A1 — PDF file: US26021041A1.pdf — (not in database)
• Publication number: US20060026418A1 — PDF file: US26026418A1.pdf — (in database)
• Publication number: US20060026419A1 — PDF file: US26026419A1.pdf — (in database)
• Publication number: US20060026422A1 - PDF file: US26026422A1.pdf (in database)
• Publication number: US20060026423A1 — PDF file: US26026423A1.pdf — (in database)
• Publication number: US20060026693A1 — PDF file: US26026693A1.pdf — (in database)
• Publication number: US20060036851A1 — PDF file: US26036851A1.pdf — (in database)
• Publication number: US20060041932A1 — PDF file: US26041932A1.pdf — (in database)
• Publication number: US20060047944A1 — PDF file: US26047944A1.pdf — (in database)

    Publication number: US20060047974A1 — PDF file: US26047974A1.pdf — (not in database)

• Publication number: US20060048228A1 — PDF file: US26048228A1.pdf — (in database)
• Publication number: US20060053277A1 — PDF file: US26053277A1.pdf — (in database)

    Publication number: US20060053294A1 — PDF file: US26053294A1.pdf — (in database)

 Publication number: US20060053302A1 — PDF file: US26053302A1.pdf — (in database)
• Publication number: US20060059363A1 — PDF file: US26059363A1.pdf — (in database)
• Publication number: US20060064752A1 — PDF file: US26064752A1.pdf — (in database)
• Publication number: US20060069828A1 - PDF file: US26069828A1.pdf — (in database)
• Publication number: US20060070066A1 — PDF file: US26070066A1.pdf — (in database)
• Publication number: US20060072748A1 — PDF file: US26072748A1.pdf — (in database)
• Publication number: US20060072760A1 — PDF file: US26072760A1.pdf — (in database)

    Publication number: US20060072762A1 — PDF file: US26072762A1.pdf — (in database)

• Publication number: US20060074600A1 — PDF file: US26074600A1.pdf — (in database)
• Publication number: US20060074618A1 — PDF file: US26074618A1.pdf — (not in database)

    Publication number: US20060075223A1 — PDF file: US26075223A1.pdf — (in database)

    Publication number: US20060075242A1 — PDF file: US26075242A1.pdf — (in database)

• Publication number: US20060075252A1 — PDF file: US26075252A1.pdf — (in database)
• Publication number: US20060075264A1 — PDF file: US26075264A1.pdf — (in database)
• Publication number: US20060075312A1 — PDF file: US26075312A1.pdf — (in database)
• Publication number: US20060080259A1 — PDF file: US26080259A1.pdf — (in database)

    Publication number: US20060080737A1 — PDF file: US26080737A1.pdf — (in database)

• Publication number: US20060085630A1 — PDF file: US26085630A1.pdf — (in database)
• Publication number: US20060085637A1 — PDF file: US26085637A1.pdf — (in database)
• Publication number: US20060085784A1 — PDF file: US26085784A1.pdf — (in database)
```

```
 \bullet \textit{ Publication number: } US20060085844A1 -- \textit{PDF file: } \underline{US26085844A1.pdf} -- (in database)
```

- *Publication number*: US20060085845A1 *PDF file*: US26085845A1.pdf (in database)
- *Publication number*: US20060085848A1 *PDF file*: US26085848A1.pdf (in database)
- Publication number: US20060089121A1 PDF file: US26089121A1.pdf (in database)
- Publication number: US20060090084A1 PDF file: US26090084A1.pdf (in database)
- Publication number: US20060090085A1 PDF file: US26090085A1.pdf (in database)
- Publication number: US20060090136A1 PDF file: US26090136A1.pdf (in database)
- Publication number: US20060095505A1 PDF file: US26095505A1.pdf (in database)
- Publication number: US20060095961A1 PDF file: US26095961A1.pdf (in database)
- Publication number: US20060095967A1 PDF file: US26095967A1.pdf (not in database)
- Publication number: US20060100010A1 PDF file: US26100010A1.pdf (in database)
- Publication number: US20060100912A1 PDF file: US26100912A1.pdf (not in database)
- Publication number: US20060101286A1 PDF file: US26101286A1.pdf (in database)
- Publication number: US20060101507A1 PDF file: US26101507A1.pdf (in database)
- Publication number: US20060104443A1 PDF file: US26104443A1.pdf (not in database)
- Publication number: US20060104474A1 PDF file: US26104474A1.pdf (in database)
- Publication number: US20060106585A1 PDF file: US26106585A1.pdf (not in database)
- Publication number: US20060107032A1 PDF file: US26107032A1.pdf (in database)
- Publication number: US20060107034A1 PDF file: US26107034A1.pdf (in database)
- Publication number: US20060107054A1 PDF file: US26107054A1.pdf (in database)
- Publication number: US200601111111A1 PDF file: US26111111A1.pdf (in database)
- Publication number: US20060111880A1 PDF file: US26111880A1.pdf (not in database)
- Publication number: US20060112267A1 PDF file: US26112267A1.pdf (in database)
- Publication number: US20060112308A1 PDF file: US26112308A1.pdf (not in database)
- Publication number: US20060112420A1 PDF file: US26112420A1.pdf (in database)
- Publication number: US20060112423A1 PDF file: US26112423A1.pdf (in database)
- Publication number: US20060114917A1 PDF file: US26114917A1.pdf (not in database)
- Publication number: US20060117177A1 PDF file: US26117177A1.pdf (in database)
- Publication number: US20060117181A1 PDF file: US26117181A1.pdf (in database)
- Publication number: US20060117212A1 PDF file: US26117212A1.pdf (not in database)
- Publication number: US20060117325A1 PDF file: US26117325A1.pdf (not in database)
- Publication number: US20060123226A1 PDF file: US26123226A1.pdf (not in database)
- Publication number: US20060123403A1 PDF file: US26123403A1.pdf (in database)
- Publication number: US20060123416A1 PDF file: US26123416A1.pdf (in database)
- Publication number: US20060123425A1 PDF file: US26123425A1.pdf (not in database)
- Publication number: US20060123467A1 PDF file: US26123467A1.pdf (not in database)
- Publication number: US20060123477A1 PDF file: US26123477A1.pdf (not in database)

```
• Publication number: US20060123479A1 — PDF file: US26123479A1.pdf — (not in database)
• Publication number: US20060129743A1 — PDF file: US26129743A1.pdf — (in database)

    Publication number: US20060129824A1 — PDF file: US26129824A1.pdf — (in database)

• Publication number: US20060130060A1 — PDF file: US26130060A1.pdf — (in database)
• Publication number: US20060133604A1 — PDF file: US26133604A1.pdf — (in database)

    Publication number: US20060133612A1 — PDF file: US26133612A1.pdf — (in database)

• Publication number: US20060135121A1 — PDF file: US26135121A1.pdf — (in database)
• Publication number: US20060136341A1 — PDF file: US26136341A1.pdf — (in database)
• Publication number: US20060136570A1 — PDF file: US26136570A1.pdf — (not in database)
• Publication number: US20060136680A1 — PDF file: US26136680A1.pdf — (in database)
• Publication number: US20060136708A1 - PDF file: US26136708A1.pdf (in database)
• Publication number: US20060136713A1 — PDF file: US26136713A1.pdf — (in database)
• Publication number: US20060136717A1 — PDF file: US26136717A1.pdf — (in database)
• Publication number: US20060136910A1 — PDF file: US26136910A1.pdf — (in database)

    Publication number: US20060137018A1 — PDF file: US26137018A1.pdf — (not in database)

• Publication number: US20060137022A1 — PDF file: US26137022A1.pdf — (in database)
• Publication number: US20060140572A1 — PDF file: US26140572A1.pdf — (not in database)
• Publication number: US20060143311A1 — PDF file: US26143311A1.pdf — (in database)
• Publication number: US20060143431A1 — PDF file: US26143431A1.pdf — (in database)
• Publication number: US20060143446A1 — PDF file: US26143446A1.pdf — (in database)

    Publication number: US20060143710A1 — PDF file: US26143710A1.pdf — (not in database)

• Publication number: US20060146057A1 — PDF file: US26146057A1.pdf — (in database)
• Publication number: US20060150246A1 — PDF file: US26150246A1.pdf — (not in database)
• Publication number: US20060150248A1 — PDF file: US26150248A1.pdf — (in database)

    Publication number: US20060155555A1 — PDF file: US26155555A1.pdf — (not in database)

• Publication number: US20060155988A1 — PDF file: US26155988A1.pdf — (in database)
• Publication number: US20060156008A1 — PDF file: US26156008A1.pdf — (in database)
• Publication number: US20060156398A1 — PDF file: US26156398A1.pdf — (in database)
• Publication number: US20060161769A1 — PDF file: US26161769A1.pdf — (in database)
• Publication number: US20060161784A1 — PDF file: US26161784A1.pdf — (in database)
• Publication number: US20060161790A1 — PDF file: US26161790A1.pdf — (in database)
• Publication number: US20060161972A1 — PDF file: US26161972A1.pdf — (in database)
• Publication number: US20060167823A1 — PDF file: US26167823A1.pdf — (in database)

    Publication number: US20060168583A1 — PDF file: US26168583A1.pdf — (not in database)

• Publication number: US20060173941A1 — PDF file: US26173941A1.pdf — (not in database)
• Publication number: US20060174094A1 — PDF file: US26174094A1.pdf — (not in database)
```

• Publication number: US20060179265A1 — PDF file: US26179265A1.pdf — (not in database)

- Publication number: US20060179294A1 PDF file: <u>US26179294A1.pdf</u> (not in database)
- Publication number: US20060179416A1 PDF file: US26179416A1.pdf (not in database)
- Publication number: US20060184764A1 PDF file: US26184764A1.pdf (not in database)
- Publication number: US20060184778A1 PDF file: US26184778A1.pdf (not in database)
- Publication number: US20060184785A1 PDF file: US26184785A1.pdf (in database)
- Publication number: US20060184802A1 PDF file: US26184802A1.pdf (in database)
- Publication number: US20060185011A1 PDF file: US26185011A1.pdf (not in database)
- Publication number: US20060185015A1 PDF file: US26185015A1.pdf (not in database)
- Publication number: US20060185017A1 PDF file: US26185017A1.pdf (in database)
- Publication number: US20060190986A1 PDF file: US26190986A1.pdf (in database)
- Publication number: US20060190987A1 PDF file: US26190987A1.pdf (in database)
- Publication number: US20060191015A1 PDF file: US26191015A1.pdf (in database)
- Publication number: US20060193327A1 PDF file: US26193327A1.pdf (not in database)
- Publication number: US20060195617A1 PDF file: US26195617A1.pdf (not in database)
- Publication number: US20060195618A1 PDF file: US26195618A1.pdf (not in database)
- Publication number: US20060195619A1 PDF file: US26195619A1.pdf (not in database)
- Publication number: US20060195620A1 PDF file: US26195620A1.pdf (not in database)
- Publication number: US20060195623A1 PDF file: US26195623A1.pdf (not in database)
- Publication number: US20060195626A1 PDF file: US26195626A1.pdf (not in database)
- Publication number: US20060195634A1 PDF file: US26195634A1.pdf (not in database)
- Publication number: US20060195642A1 PDF file: US26195642A1.pdf (not in database)
- Publication number: US20060195644A1 PDF file: US26195644A1.pdf (not in database)
- Publication number: US20060195663A1 PDF file: US26195663A1.pdf (not in database)
- Publication number: US20060195673A1 PDF file: US26195673A1.pdf (not in database)
- Publication number: US20060195674A1 PDF file: US26195674A1.pdf (not in database)
- Publication number: US20060195675A1 PDF file: US26195675A1.pdf (not in database)
- Publication number: US20060195690A1 PDF file: US26195690A1.pdf (not in database)
- Publication number: US20060195848A1 PDF file: US26195848A1.pdf (not in database)
- Publication number: US20060195907A1 PDF file: US26195907A1.pdf (in database)
- Publication number: US20060198358A1 PDF file: US26198358A1.pdf (not in database)
- Publication number: US20060198368A1 PDF file: US26198368A1.pdf (not in database)
- Publication number: US20060198448A1 PDF file: US26198448A1.pdf (not in database)
- Publication number: US20060200615A1 PDF file: US26200615A1.pdf (not in database)
- Publication number: US20060200680A1 PDF file: US26200680A1.pdf (in database)
- Publication number: US20060209724A1 PDF file: US26209724A1.pdf (not in database)
- Publication number: US20060209863A1 PDF file: US26209863A1.pdf (not in database)
- Publication number: US20060212606A1 PDF file: US26212606A1.pdf (not in database)

```
• Publication number: US20060212608A1 — PDF file: US26212608A1.pdf — (not in database)
• Publication number: US20060212620A1 — PDF file: US26212620A1.pdf — (not in database)
• Publication number: US20060212659A1 — PDF file: US26212659A1.pdf — (not in database)
• Publication number: US20060212840A1 — PDF file: US26212840A1.pdf — (not in database)
• Publication number: US20060212870A1 — PDF file: US26212870A1.pdf — (not in database)
• Publication number: US20060212932A1 — PDF file: US26212932A1.pdf — (not in database)
• Publication number: US20060212939A1 — PDF file: US26212939A1.pdf — (in database)

    Publication number: US20060217072A1 — PDF file: US26217072A1.pdf — (in database)

• Publication number: US20060218621A1 — PDF file: US26218621A1.pdf — (in database)
• Publication number: US20060218649A1 — PDF file: US26218649A1.pdf — (in database)

    Publication number: US20060218651A1 — PDF file: US26218651A1.pdf — (in database)

• Publication number: US20060224790A1 — PDF file: US26224790A1.pdf — (not in database)
• Publication number: US20060224878A1 — PDF file: US26224878A1.pdf — (in database)
• Publication number: US20060225127A1 — PDF file: US26225127A1.pdf — (in database)

    Publication number: US20060227773A1 — PDF file: US26227773A1.pdf — (not in database)

• Publication number: US20060230165A1 — PDF file: US26230165A1.pdf — (not in database)
• Publication number: US20060230401A1 — PDF file: US26230401A1.pdf — (in database)
• Publication number: US20060230439A1 — PDF file: US26230439A1.pdf — (in database)
• Publication number: US20060236125A1 — PDF file: US26236125A1.pdf — (not in database)
• Publication number: US20060236127A1 — PDF file: US26236127A1.pdf — (in database)

    Publication number: US20060236369A1 — PDF file: US26236369A1.pdf — (in database)

• Publication number: US20060242428A1 — PDF file: US26242428A1.pdf — (in database)
• Publication number: US20060244596A1 — PDF file: US26244596A1.pdf — (in database)
• Publication number: WO0142889A2 — PDF file: WO00142889A2.pdf — (in database)

    Publication number: WO0146846A2 — PDF file: WO00146846A2.pdf — (not in database)

• Publication number: WO0146889A2 — PDF file: WO00146889A2.pdf — (not in database)
• Publication number: WO0175564A2 — PDF file: WO00175564A2.pdf — (in database)
• Publication number: WO0175564A3 — PDF file: WO00175564A3.pdf — (in database)

    Publication number: WO0182202A2 — PDF file: WO00182202A2.pdf — (not in database)

• Publication number: WO0190968A1 — PDF file: WO00190968A1.pdf — (not in database)
• Publication number: WO0198906A2 — PDF file: WO00198906A2.pdf — (in database)
• Publication number: WO0203196A2 — PDF file: WO00203196A2.pdf — (in database)
• Publication number: WO02003196A3 — PDF file: WO00203196A3.pdf — (in database)

    Publication number: WO0203208A2 — PDF file: WO00203208A2.pdf — (not in database)

• Publication number: WO0208870A2 — PDF file: WO00208870A2.pdf — (not in database)
• Publication number: WO0213116A1 — PDF file: WO00213116A1.pdf — (in database)
```

• Publication number: WO0213444A2 — PDF file: WO00213444A2.pdf — (in database)

- Publication number: WO0213445A2 PDF file: WO00213445A2.pdf (in database)
- Publication number: WO0213455A1 PDF file: WO00213455A1.pdf (in database)
- Publication number: WO0217076A2 PDF file: WO00217076A2.pdf (in database)
- Publication number: WO0244850A2 PDF file: WO00244850A2.pdf (not in database)
- Publication number: WO02060121A1 PDF file: WO02060121A1.pdf (in database)
- Publication number: WO02065275A1 PDF file: WO02065275A1.pdf (not in database)
- Publication number: WO02065290A1 PDF file: WO02065290A1.pdf (not in database)
- Publication number: WO02086684A2 PDF file: WO02086684A2.pdf (in database)
- Publication number: WO02086684A3 PDF file: WO02086684A3.pdf (in database)
- Publication number: WO02087136A2 PDF file: WO02087136A2.pdf (not in database)
- Publication number: WO02101504A2 PDF file: WO02101504A2.pdf (in database)
- Publication number: WO03027835A2 PDF file: WO03027835A2.pdf (in database)
- Publication number: WO03052565A1 PDF file: WO03052565A1.pdf (in database)
- Publication number: WO03058412A2 PDF file: WO03058412A2.pdf (in database)
- Publication number: WO03061188A1 PDF file: WO03061188A1.pdf (not in database)
- Publication number: WO03073208A2 PDF file: WO03073208A2.pdf (not in database)
- Publication number: WO03073245A2 PDF file: WO03073245A2.pdf (in database)
- Publication number: WO03081388A2 PDF file: WO03081388A2.pdf (not in database)
- Publication number: WO03085497A2 PDF file: WO03085497A2.pdf (in database)
- Publication number: WO03085498A2 PDF file: WO03085498A2.pdf (in database)
- Publication number: WO03085498A3 PDF file: WO03085498A3.pdf (in database)
- Publication number: WO03090048A2 PDF file: WO03090048A2.pdf (in database)
- Publication number: WO03090051A2 PDF file: WO03090051A2.pdf (in database)
- Publication number: WO03090053A1 PDF file: WO03090053A1.pdf (in database)
- Publication number: WO03096669A2 PDF file: WO03096669A2.pdf (not in database)
- Publication number: WO03102745A2 PDF file: WO03102745A2.pdf (not in database)
- Publication number: WO03104981A2 PDF file: WO03104981A2.pdf (in database)
- Publication number: WO2004003711A2 PDF file: WO04003711A2.pdf (in database)
- Publication number: WO2004003824A1 PDF file: WO04003824A1.pdf (in database)
- Publication number: WO2004004855A1 PDF file: WO04004855A1.pdf (in database)
- Publication number: WO2004012038A2 PDF file: WO04012038A2.pdf (not in database)
- Publication number: WO2004015585A1 PDF file: WO04015585A1.pdf (not in database)
- Publication number: WO2004034238A2 PDF file: WO04034238A2.pdf (in database)
- Publication number: WO2004051444A2 PDF file: WO04051444A2.pdf (in database)
- Publication number: WO2004051923A1 PDF file: WO04051923A1.pdf (in database)
- Publication number: WO2004053867A2 PDF file: WO04053867A2.pdf (in database)
- Publication number: WO2004057798A1 PDF file: WO04057798A1.pdf (not in database)

```
• Publication number: WO2004059420A2 — PDF file: WO04059420A2.pdf — (not in database)

    Publication number: WO2004059503A1 — PDF file: WO04059503A1.pdf — (not in database)

• Publication number: WO2004061628A2 — PDF file: WO04061628A2.pdf — (in database)
• Publication number: WO2004061630A1 — PDF file: WO04061630A1.pdf — (in database)
 Publication number: WO2004061631A1 — PDF file: WO04061631A1.pdf — (in database)
• Publication number: WO2004066277A2 — PDF file: WO04066277A2.pdf — (not in database)
• Publication number: WO2004066278A2 — PDF file: WO04066278A2.pdf — (not in database)
• Publication number: WO2004090701A2 — PDF file: WO04090701A2.pdf — (in database)
• Publication number: WO2004092947A1 — PDF file: WO04092947A1.pdf — (not in database)
• Publication number: WO2004095269A2 — PDF file: WO04095269A2.pdf — (not in database)

    Publication number: WO2004095770A1 — PDF file: WO04095770A1.pdf — (not in database)

• Publication number: WO2004095773A2 — PDF file: WO04095773A2.pdf — (in database)
• Publication number: WO2004097734A2 — PDF file: WO04097734A2.pdf — (not in database)
• Publication number: WO2004104797A1 — PDF file: WO04104797A1.pdf — (in database)
• Publication number: WO2004104825A1 — PDF file: WO04104825A1.pdf — (in database)
• Publication number: WO2005001666A2 — PDF file: WO05001666A2.pdf — (in database)
• Publication number: WO2005001666A3 — PDF file: WO05001666A3.pdf — (in database)
 Publication number: WO2005013126A1 — PDF file: WO05013126A1.pdf — (in database)
• Publication number: WO2005020542A1 — PDF file: WO05020542A1.pdf — (in database)
• Publication number: WO2005024568A2 — PDF file: WO05024568A2.pdf — (not in database)
• Publication number: WO2005026951A1 — PDF file: WO05026951A1.pdf — (in database)
• Publication number: WO2005033914A1 — PDF file: WO05033914A1.pdf — (in database)
• Publication number: WO2005038609A2 — PDF file: WO05038609A2.pdf — (in database)
• Publication number: WO2005038634A2 — PDF file: WO05038634A2.pdf — (in database)

    Publication number: WO2005038634A3 — PDF file: WO05038634A3.pdf — (not in database)

• Publication number: WO2005038635A2 — PDF file: WO05038635A2.pdf — (in database)
• Publication number: WO2005038635A3 — PDF file: WO05038635A3.pdf — (not in database)

    Publication number: WO2005043360A1 — PDF file: WO05043360A1.pdf — (in database)

    Publication number: WO2005045556A2 — PDF file: WO05045556A2.pdf — (not in database)

• Publication number: WO2005052770A1 — PDF file: WO05052770A1.pdf — (in database)
• Publication number: WO2005052841A2 — PDF file: WO05052841A2.pdf — (not in database)
• Publication number: WO2005059713A2 — PDF file: WO05059713A2.pdf — (in database)
• Publication number: WO2005069102A1 — PDF file: WO05069102A1.pdf — (in database)

    Publication number: WO2005073846A2 — PDF file: WO05073846A2.pdf — (in database)

• Publication number: WO2005081855A2 — PDF file: WO05081855A2.pdf — (not in database)
• Publication number: WO2005085971A1 — PDF file: WO05085971A1.pdf — (not in database)
```

• Publication number: WO2005099201A2 — PDF file: WO05099201A2.pdf — (not in database)

- $\bullet \textit{ Publication number: WO2005101160A1} \textit{PDF file: } \underline{\text{WO05101160A1.pdf}} \text{(in database)}$
- Publication number: WO2005101197A2 PDF file: WO05101197A2.pdf (in database)
- Publication number: WO2005101794A1 PDF file: WO05101794A1.pdf (in database)
- Publication number: WO2005106672A2 PDF file: WO05106672A2.pdf (not in database)
- Publication number: WO2005109184A1 PDF file: WO05109184A1.pdf (in database)
- Publication number: WO2005109337A1 PDF file: WO05109337A1.pdf (not in database)
- Publication number: WO2005111813A2 PDF file: WO05111813A2.pdf (not in database)
- Publication number: WO2005114339A2 PDF file: WO05114339A2.pdf (not in database)
- Publication number: WO2005116804A2 PDF file: WO05116804A2.pdf (in database)
- Publication number: WO2005120005A1 PDF file: WO05120005A1.pdf (not in database)
- Publication number: WO2005122055A2 PDF file: WO05122055A2.pdf (in database)
- Publication number: WO2005124505A1 PDF file: WO05124505A1.pdf (in database)
- Publication number: WO2006001916A2 PDF file: WO06001916A2.pdf (in database)
- Publication number: WO2006002282A1 PDF file: WO06002282A1.pdf (in database)
- Publication number: WO2006002368A2 PDF file: WO06002368A2.pdf (in database)
- Publication number: WO2006002368A3 PDF file: WO06002368A3.pdf (in database)
- Publication number: WO2006005763A2 PDF file: WO06005763A2.pdf (in database)
- Publication number: WO2006008199A2 PDF file: WO06008199A2.pdf (not in database)
- Publication number: WO2006010007A1 PDF file: WO06010007A1.pdf (in database)
- Publication number: WO2006010692A2 PDF file: WO06010692A2.pdf (in database)
- Publication number: WO2006011888A1 PDF file: WO06011888A1.pdf (in database)
- Publication number: WO2006011943A1 PDF file: WO06011943A1.pdf (in database)
- Publication number: WO2006012197A2 PDF file: WO06012197A2.pdf (in database)
- Publication number: WO2006012291A2 PDF file: WO06012291A2.pdf (in database)
- Publication number: WO2006019614A2 PDF file: WO06019614A2.pdf (in database)
- Publication number: WO2006023151A2 PDF file: WO06023151A2.pdf (in database)
- Publication number: WO2006025952A2 PDF file: WO06025952A2.pdf (in database)
- Publication number: WO2006029940A1 PDF file: WO06029940A1.pdf (in database)
- Publication number: WO2006029941A1 PDF file: WO06029941A1.pdf (in database)
- Publication number: WO2006029942A1 PDF file: WO06029942A1.pdf (in database)
- Publication number: WO2006037798A1 PDF file: WO06037798A1.pdf (in database)
- Publication number: WO2006039616A1 PDF file: WO06039616A1.pdf (in database)
- Publication number: WO2006044979A1 PDF file: WO06044979A1.pdf (in database)
- Publication number: WO2006045660A2 PDF file: WO06045660A2.pdf (not in database)
- Publication number: WO2006045844A1 PDF file: WO06045844A1.pdf (in database)
- Publication number: WO2006045845A1 PDF file: WO06045845A1.pdf (in database)
- Publication number: WO2006045846A1 PDF file: WO06045846A1.pdf (in database)

- Publication number: WO2006045847A1 PDF file: WO06045847A1.pdf (in database)
- Publication number: WO2006057878A2 PDF file: WO06057878A2.pdf (in database)
- Publication number: WO2006058314A2 PDF file: WO06058314A2.pdf (not in database)
- Publication number: WO2006059335A1 PDF file: WO06059335A1.pdf (in database)
- Publication number: WO2006060571A2 PDF file: WO06060571A2.pdf (not in database)
- Publication number: WO2006062814A2 PDF file: WO06062814A2.pdf (not in database)
- Publication number: WO2006063002A2 PDF file: WO06063002A2.pdf (not in database)
- Publication number: WO2006063003A2 PDF file: WO06063003A2.pdf (not in database)
- Publication number: WO2006063274A1 PDF file: WO06063274A1.pdf (in database)
- Publication number: WO2006067739A2 PDF file: WO06067739A2.pdf (not in database)
- Publication number: WO2006071610A1 PDF file: WO06071610A1.pdf (in database)
- Publication number: WO2006071630A2 PDF file: WO06071630A2.pdf (in database)
- Publication number: WO2006071839A2 PDF file: WO06071839A2.pdf (not in database)
- Publication number: WO2006074023A2 PDF file: WO06074023A2.pdf (not in database)
- Publication number: WO2006074258A2 PDF file: WO06074258A2.pdf (in database)
- Publication number: WO2006076134A2 PDF file: WO06076134A2.pdf (in database)
- Publication number: WO2006085854A2 PDF file: WO06085854A2.pdf (not in database)
- Publication number: WO2006091755A2 PDF file: WO06091755A2.pdf (in database)
- Publication number: WO2006093995A2 PDF file: WO06093995A2.pdf (not in database)
- Publication number: WO2006100522A1 PDF file: WO06100522A1.pdf (in database)
- Publication number: WO2006111615A1 PDF file: WO06111615A1.pdf (in database)
- Publication number: WO9953415A1 PDF file: WO09953415A1.pdf (not in database)

D Bibliography

- European Patent Office (n.d.), 'Seven points to consider before starting your search', GB Esp@cenet: http://gb.espacenet.com/search97cgi/s97_cgi.exe?Action=FormGen&Template=gb/EN/info.hts&INFO=seven [2006-11-03].
- Gasmi, Y. and Stewin, P. (2006), 'Related/previous work landscape Deliverable 1a', internal report. Deliverable 1a can be found on the DVD that belongs to this document.
- INDICARE Monitor (2006), volume 2, No 12.
- Kuhlmann, D. (2006), OpenTC an open approach to trusted virtualization, in *The INformed DIalogue about Consumer Acceptability of DRM Solutions in Europe INDICARE Monitor* (2006), S. 47–50.
- OpenTC Consortium (2006a), 'Open Trusted Computing: Functional Diagram', Open Trusted Computing (OpenTC) Consortium: http://www.opentc.net/info/pictures/funtional_overview.gif [2006-12-29].
- OpenTC Consortium (2006b), 'Welcome to OpenTC', Open Trusted Computing (OpenTC) Consortium: http://www.opentc.net/[2006-11-03].
- The Thomson Corporation (2005), 'Using Derwent', The Thomson Corporation: http://www.delphion.com/help/using_derwent [2006-12-28].
- The Thomson Corporation (2006a), 'Delphion Research intellectual property network international and US patent search database', The Thomson Corporation: http://www.delphion.com/[2006-11-03].
- The Thomson Corporation (2006), Patent kind codes by country', The Thomson Corporation: http://www.delphion.com/help/kindcodes [2006-12-28].
- The Thomson Corporation (n.d.), 'Glossary of Thomson Scientific terminology', The Thomson Corporation: http://scientific.thomson.com/support/patents/patinf/terms/[2006-12-28].
- Vividata (2005), 'OCR Shop XTR', Vividata: http://www.vividata.com/be_xtr_overview.html [2006-12-28].