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## DATABASE NEWS

### Claims added to CAS Files: WIPO, United States, and China for 1999 – Present

The CA/CAPLUS family of files now includes patent Claims content. Search the Claims content to supplement your results from Basic Index searches, and as a means to identify potential search terms, e.g., those with a particular chemical stem. See your search terms in context to see exactly what has been claimed.

As of November 2020, the following data has been included:

- WIPO: 1999 – Present
- US Patent Office: 1999 - Present
- Chinese Patent Office: 1999 - Present

Claims content is added to the record promptly after its first introduction:

- US within 8 days
- WO within 6 day
- CN within 8-12 days of receipt (2 different deliveries)

Mathematical formulas, chemical structures and reaction pathways are frequently included in the text of the Claims. However, structure searching in the Claims is not available at this time.

The design of the new Claims feature in CA/CAPLUS supports the expansion of your search into the numerous patent full text files on STNext, as well as to the Derwent World Patent Index.

HELP CLM in CA/CAPLUS provides key information about Claims content in these databases. In addition, the Database Summary Sheets for CA and CAPLUS have been updated to reflect the additional Claims content.

<http://www.stn-international.de/sites/default/files/stn/summary-sheets/pdfs/ca.pdf>

<http://www.stn-international.de/sites/default/files/stn/summary-sheets/pdfs/CAPLUS.pdf>

### Flagship engineering database Inspec reaches milestone 20 million total records

The Institution of Engineering and Technology's (IET) Inspec database has reached over 20 million indexed records throughout its 50-year history.

Since Inspec's launch in 1969, it has become a definitive database for subject-specific and interdisciplinary research in the fields of engineering, physics and computer science.

For STN users it is an indispensable source for finding well-curated documents in such areas as for example:

- chemical engineering
- nanotechnology and material science
- sensing and measurements
- health care devices
- manufacturing and production engineering

### e-Seminars

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Inspec is always a good source for applied technologies from all the engineering fields.

As the role of scholarly communications has evolved over time, the innovation that inspired the creation of the original Inspec is still in force. Owing to its rigorous content selection and the precision and accuracy of its indexing, Inspec ensures that trustworthy content is easily discoverable to a global audience of research universities, corporate research teams, governments and patent offices.

Vincent Cassidy, Head of Academic Markets for the IET, said: "As we mark the milestone of reaching 20 million records in Inspec, we'd like to thank our customers, many of whom have been with Inspec since its inception, for their continued support and feedback to help us develop and refine our product to ensure that we continue to serve the needs of the engineering and technology research community.

We'd also like to thank the Inspec team; those who select and curate content, our indexers who review every individual record and everyone that supports the technical processes and development that allow our users to easily locate the specific research that is important to them. Their collective work over the last 50 years and their commitment to quality content and precision indexing is a legacy that has endured from the first item indexed to this most recent." Inspec is ISO 9001:2015 certified, an international standard dedicated to quality management systems, for the quality of its production process. Inspec carefully classifies content using 5-levels of subject classification codes. Each record in Inspec is indexed by subject specialists using over 3,500 subject classifications and nearly 10,000 controlled terms. This level of sophisticated indexing ensures users can easily search this vast content collection to find highly relevant literature precisely and comprehensively fitting well into the suite of value-add databases on STN.

Over the decades, Inspec has evolved and provided new solutions to remain an essential discovery tool. Some developments over the years include using a computerized production system in 1969; going online in 1973; introducing chemical and numerical data indexing in 1987; integrating FIZ Karlsruhe's Physics Briefs database in 1994; reprocessing the whole database in Standard Generalized Markup Language (SGML) format in 1998; digitizing over 870,000 abstracts for the Archive in 2004 (covering literature from 18xx to 1968). Especially for Inspec on STN, FIZ Karlsruhe will add its Numeric Property Search feature in 2021 providing another excellent STN search tool to use the trustworthy content of Inspec.

### Example Inspec Record on STN using the Report feature on STNext:

**L1 Conference; Conference Article Practical; Theoretical | English | 20/120**

**Assessing the Suitability and Effectiveness of Mixed Reality Interfaces for Accurate Robot Teleoperation**

[Full-text](#)

**Accession Number:** 2020:20076928 INSPEC

**Author/Inventor:** De Pace, F. (Politec. di Torino, Turin, Italy); Gorjup, G. (Mech. Eng., Univ. of Auckland, Auckland, New Zealand); Bai, H. (Auckland Bioeng. Inst., Univ. of Auckland, Auckland, New Zealand); Sanna, A. (Politec. di Torino, Turin, Italy); Liarokapis, M.; Billinghamurst, M. (Univ. of Auckland, Auckland, New Zealand)

Email: francesco.depaco@polito.it; ggor290@aucklanduni.ac.nz; huidong.bai@auckland.ac.nz; andrea.sanna@polito.it; minas.liarokapis@auckland.ac.nz; mark.billinghurst@auckland.ac.nz

**Source:** VRST '20: 26th ACM Symposium on Virtual Reality Software and Technology, 1 Nov. 2020, p. 45 (3 pp.) of 429 pp.

**Editor(s):** Teather, R.J.; Joslin, C. (Carleton Univ., Ottawa, ON, Canada); Stuerzlinger, W. (Simon Fraser Univ., Burnaby, BC, Canada); Figueroa, P. (Universidad de los Andes, Colombia); Yaoping Hu (Univ. of Calgary, Calgary, AB, Canada); Batmaz, A.U. (Simon Fraser Univ., Burnaby, BC, Canada); Wonsook Lee (Univ. of Ottawa, Ottawa, ON, Canada); Ortega, F. (Colorado State Univ., Fort Collins, CO, USA)

ISBN: 978-1-4503-7619-8

Doc.No.: 3422092

Published by: ACM, New York, NY, USA

Conference: VRST '20: 26th ACM Symposium on Virtual Reality Software and Technology, Virtual Event, Canada, 1-4 Nov. 2020

Sponsor(s): SIGGRAPH

**Abstract:**

In this work, a Mixed Reality (MR) system is evaluated to assess whether it can be efficiently used in teleoperation tasks that require an accurate control of the robot end-effector. The robot and its local environment are captured using multiple RGB-D cameras, and a remote user controls the robot arm motion through Virtual Reality (VR) controllers. The captured data is streamed through the network and reconstructed in 3D, allowing the remote user to monitor the state of execution in real time through a VR headset. We compared our method with two other interfaces: i) teleoperation in pure VR, with the robot model rendered with the real joint states, and ii) teleoperation in MR, with the

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rendered model of the robot superimposed on the actual point cloud data. Preliminary results indicate that the virtual robot visualization is better than the pure point cloud for accurate teleoperation of a robot arm.

**Controlled or Index Terms:**

end effectors; mobile robots; rendering (computer graphics); robot vision; telerobotics; virtual reality

**Supplementary Terms:**

Mixed Reality interfaces; accurate robot teleoperation; Mixed Reality system; teleoperation tasks; robot end-effector; local environment; multiple RGB-D cameras; remote user; robot arm motion;

**Supplementary Terms:**

Mixed Reality interfaces; accurate robot teleoperation; Mixed Reality system; teleoperation tasks; robot end-effector; local environment; multiple RGB-D cameras; remote user; robot arm motion; Virtual Reality controllers; VR headset; pure VR; robot model; joint states; rendered model; actual point cloud data; virtual robot visualization; pure point cloud; accurate teleoperation

**Concept or Classification:**

B6135 Optical, image and video signal processing; C6130V Virtual reality; C6180 User interfaces; C3120C Spatial variables control; C3390C Mobile robots; C3390M Manipulators; C3390T Telerobotics; C5260B Computer vision and image processing techniques; C6130B Graphics techniques B25J Manipulators; Chambers provided with manipulation devices G05D0001/00 Control of position, course, altitude, or attitude of land, water, air, or space vehicles, e.g. automatic pilot G05D0003/00 Control of position or direction G06T Image data processing or generation, in general INSPEC (C) 2020 IET on STN

## Enhanced INPADOC databases feature more legal event categories, calculated expiry dates for all authorities and overall efficiency gains

As of December 2020, the databases comprise more than 100 million records (applications) with about 127 million publications in more than 66 million international patent families. More than 335 single million legal status events are available in more than 65 million records from about 52 million patent families.

INPADOCDB and INPAFAMDB have recently been enhanced. These are the highlights:

- 27 instead of 7 legal event categories; most useful new categories are Entry into national phase and Non-entry into national phase, Fee payment, separate categories for SPC and Time Extension, and separate categories for Expiry, Withdrawal and Lapse.
- Calculated expiration dates are now available for all authorities (except PCT) instead of only 41 before
- Enhanced deduplication of names makes searching for inventors and assignees more efficient
- A representative title in the brief family display improves clarity
- Extensive possibilities on family statistics are enabled by various new counts such as the number of applications, priorities, publications, legal events
- increased display performance (up to more than three times) helps to speed up evaluation of the results especially for large records.

[Read more details about this and the following INPADOC News.](#)

## More European Patent Register data added to INPADOC Databases

Legal status data is constantly extended in coverage and timeliness is improved in INPADOCDB and INPAFAMDB. Recent additions concern data from the European Patent Register about intention to grant, third party observations and appeals. The new legal event codes are available about two weeks after publication in the EP register.

The description of each legal event is searchable in field /LSTX, and the free text of field /LSFT includes the original event code of the underlying data source. Legal event codes are searchable in field /LSC. All legal event codes are summarized by FIZ Editorial in 27 categories, which are searchable in field /LSC2.

## Intention to grant data

The communication of the intention to grant is an early indication that an application will be granted soon. 21 legal event codes related to this important procedural step have been added. Backfile data for intention to grant codes is available from 1980 onwards.

### Third party observation

Third party observations can only be filed after the publication of a European patent application and show early evidence of conflict of interest between different parties. Currently four legal event codes from 2001 onwards are covered.

### EP appeals

55 legal status codes related to EP appeals have been added using the same source as the European Patent Register. Backfile data for appeal events is available from 1996 onwards. 53 of the 55 new legal status codes are categorized as ORE (Opposition, Reexamination, Appeal) in field /LSC2.

The appeal codes make aware of proceedings before the boards of appeal. Decisions about appeals can be searched in EPOs [Board of Appeal database](#).

### INPADOC: Legal data from Uruguay increases coverage from Latin America

Legal events from Uruguay (country code UY) are available for the first time via the INPADOC worldwide legal event data. The Patent Office of Uruguay delivers the data on a four-weekly basis. The legal data covered goes back to 2000.

Data includes information on the grant of applications, on withdrawal and on expiry.

Eight legal event codes from Uruguay are available for the time being. The table lists the legal event code, the legal event description, the influence indicator if available and the legal status category.

Legal Event Code	Legal Event Description	Influence Indicator	Legal Status Category
UY104	APPLICATION DEEMED TO BE WITHDRAWN (NO SUBSTANTIVE EXAMINATION FEE PAID)	-	LAP Lapse (Non-Payment of Fees)
UY105	APPLICATION DEEMED TO BE WITHDRAWN (NO GRANT FEE PAID)	-	LAP Lapse (Non-Payment of Fees)
UY109	APPLICATION DEEMED TO BE WITHDRAWN	-	WTH Withdrawal, Refusal, etc.
UY110	PATENT GRANTED	+	MIS Miscellaneous or Ambiguous
UYABAN	APPLICATION DEEMED TO BE WITHDRAWN (NO PUBLICATION FEE PAID)	-	WTH Withdrawal, Refusal, etc.
UYDESI	APPLICATION DEEMED TO BE WITHDRAWN	-	WTH Withdrawal, Refusal, etc.
UYRDES	APPLICATION REFUSED	-	WTH Withdrawal, Refusal, etc.
UYVENC	PATENT EXPIRED	-	EXP Expiry

The legal event data from Uruguay complements the coverage of legal event data from other patent offices in South and Central America.

The table lists the availability of legal event data from the national patent offices and information about the data on entry or non-entry in to national phase in WO applications.

Country Code	Country Text	Domestic Applications	WO Applications	
			Entry into National Phase	Non-Entry into National Phase
AR	Argentina	2004 -		
BO	Bolivia		2012 - present	
BR	Brazil	1995 -	2005 - present	
BZ	Belize		2002 - 2007	2002 - 2005
CO	Colombia	1996 -	2001 - present	
CR	Costa Rica	2000 -	2001 - present	
CU	Cuba	2009 -	2009 - present	
MX	Mexico	1994 -	1994 - present	
NI	Nicaragua		2017 - present	
PE	Peru	1993 -	2000 - present	
SV	El Salvador	1971 -		
UY	Uruguay	2000 -		

### Full text patent documents from German Democratic Republic added to DEFULL

About 170,000 patent documents from the former German Democratic Republic (Deutsche Demokratische Republik) with country code DD have been loaded to the full text database DEFULL. The data is available **in German and machine-translated English and covers the whole period of DD-publications from 1951 to 2003.**

More than 85% of all DD publications have also a DD priority. The patent applications published in the German Democratic Republic had a **focus on organic chemistry** (IPC subclasses C07C, C07D, C08F, C08G), **measuring instruments** (G01N, G01R, G01B), **optical elements** (G02B), **machine tools** (B23K, B23Q), and **transport devices** (B65G, B65H).

Patent documents were published in the German Democratic Republic by the "Amt für Erfindungs- und Patentwesen" from 1951 until 1990 with filing dates since 1948. Pending applications filed before 1990 were published after reunification by the Deutsche Patent- und Markenamt with a DD-publication number until 2003.

Publications published before 1990 were either so-called economic patents (Wirtschaftspatent) or exclusive patents (Ausschlusspatent). Examined but not searched economic patents had kind code DDA1. Since the Patent Law Amendment Act from 1963 they could be examined and searched (kind code DDA3) and granted (kind code DDB1). The examined but not searched exclusive patents had the kind code DDA5. Since 1963 they could be examined and searched (kind code DDA7) and granted (kind code DDB3) as well. Based on the Patent Law Amendment Act from 1990 existing economic patents could be converted into exclusive patents with kind code DDB5 upon request until 13 December 1990.

Titles, abstracts, detailed descriptions and claims are available in German and machine translated English. About 120,000 DD publications have a full text with detailed description and claims. Due to the OCR-process many abstracts and claims are not identified to distinct fields. For a comprehensive search of the DD documents it is therefore recommended to use the basic index search field /BI.

Records contain bibliographic data including patent applicants and inventors, patent, application, priority, and related application data, IPC, and CPC. Like the other records in DEFULL, **numeric values of 59 physical and chemical properties are searchable in the DD documents as well as key terms, indexed and displayed in field /KT.**

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# EVENTS

## STN e-Seminar Program

### Live e-Seminars

[Claim Text on STNext](#) ([EU: 15:00 - 16:00](#) / [US: 20:00 - 21:00 CET](#))  
on December 15

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