
SAM – STANDARDS AND MORE...

Begutachtung mit Hilfe Künstlicher Intelligenz(KI) -

Erfindungsmeldungen mit Stand-der-Technik

Bewertung und die Rolle der Nichtpatentliteratur

und defensiver Veröffentlichungen



Agenda

- Vorstellung SAM
- IEEE
- Innovations Prozess
 - AIDE
 - Technology Vitality Report
 - Prior Art Datenbank von Ip.com
 - Innovation Q Plus

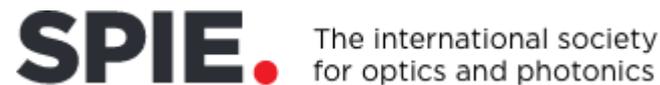
SAM – STANDARDS AND MORE...

Standards & Technical Databases

Technische Fachinformationen
für

Akademische Einrichtungen, Behörden und
Unternehmen

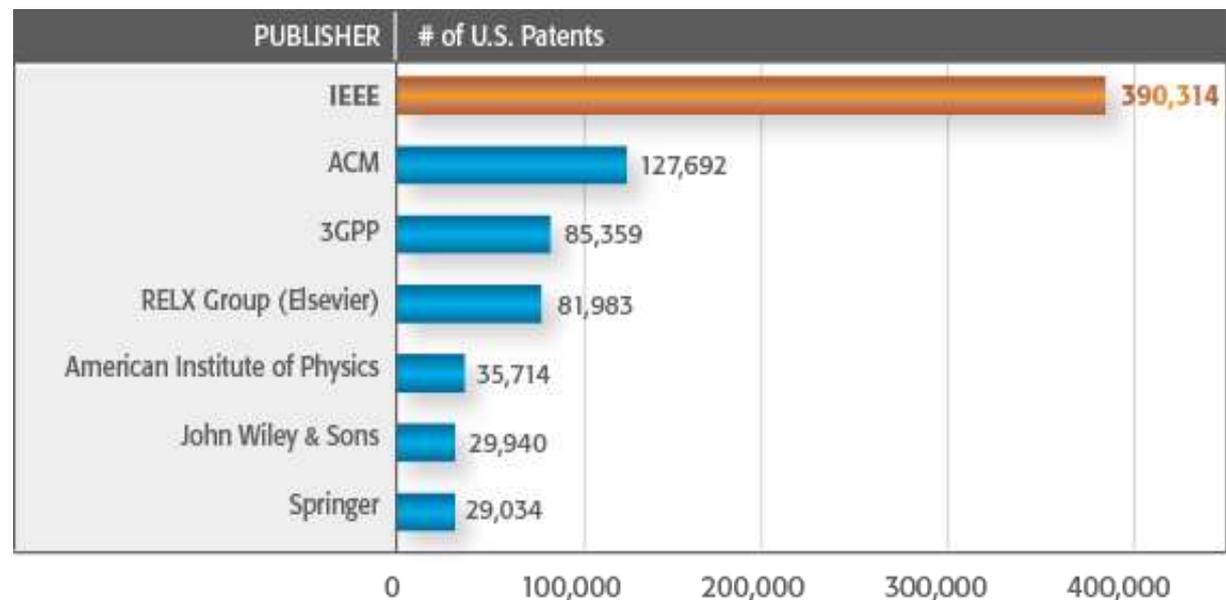
SAM Produktportfolio



IEEE führend in US Patent Zitierungen

- Die Anzahl an Patenten mit IEEE Zitierungen sind seit 1997 **um 800% angestiegen.**
- Erfindungen, die auf IEEE-Publikationen aufbauen, werden häufiger zitiert.
- Die Bedeutung der Sci-Tech-Literatur in Patenten nimmt zu.
- IEEE dominiert u.a. bei Patenten im Zusammenhang mit **autonomen Fahrzeugen und dem Internet der Dinge.**

Anzahl U.S. Patent Referenzen der Top 30 Unternehmen zu Top 20 Verlagen



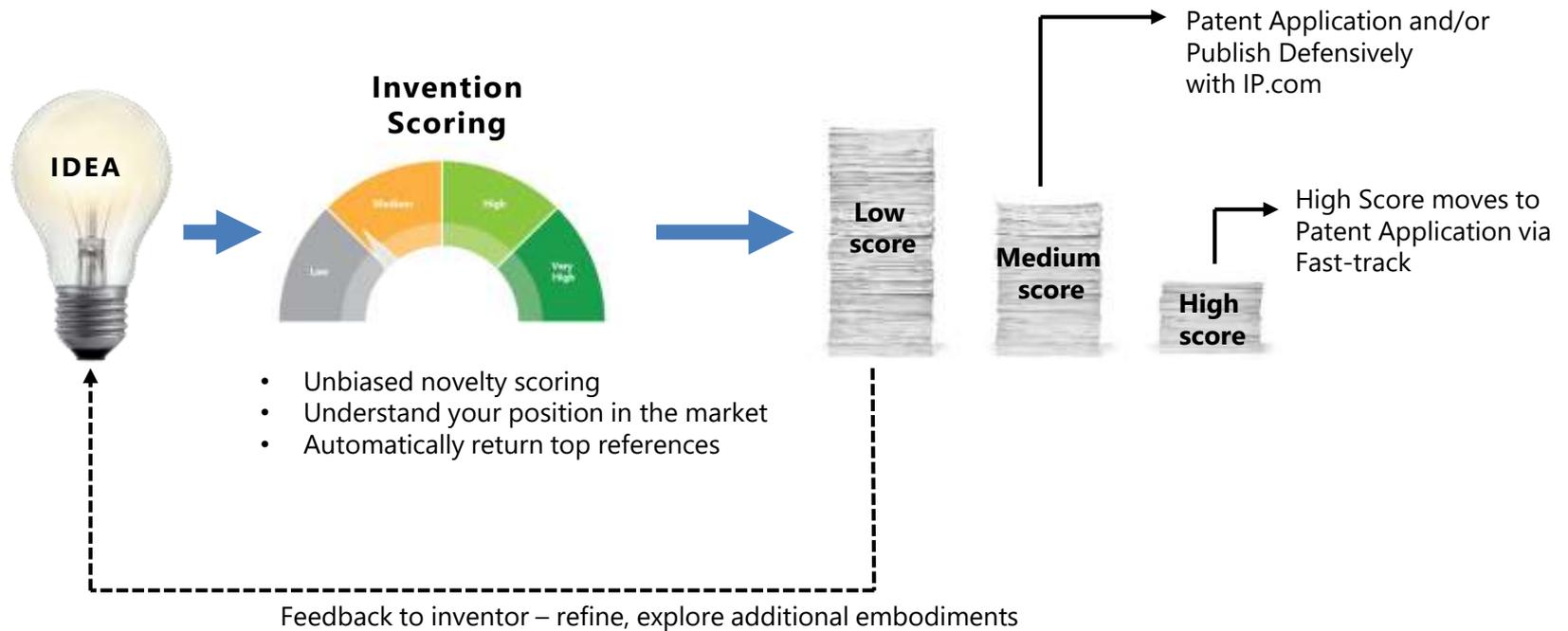
Source: 1790 Analytics LLC, Copyright 2019

Mehr Information unter : www.ieee.org/patentcitations

Kooperation mit IP.com

- IP.com ist ein Anbieter von Patentlösungen mit einem umfangreichen Serviceangebot für die Optimierung und Verwaltung von Patentportfolios.
 - Eine patentierte semantische Suche, entwickelt speziell für IP Experten
 - Technische Veröffentlichungen
 - Branchenberichte
 - Professionelle Dienste

AI-Augment Innovation Process



AIDE – Artificial Intelligence Description Evaluator

- Der erste Schritt um zeitnah einen Technology Vitality Report zu erstellen
- Messen Sie den Umfang und die Klarheit Ihrer Idee mithilfe von KI, um Ihre Neuheitsbewertung zu optimieren
- Der Umfang bezieht sich auf die Breite des Beschriebenen
- Klarheit bedeutet, kohärent und verständlich zu sein
- Liefert Top-Konzepte basierend auf eingegebenem Text
- **Report Erstellt in ~30 Sekunden**

Technology Vitality Report Help ✕

Fully describe the invention, include all the essential elements.

Focus on a detailed description of a single invention.

Use technical terms. Avoid the use of extraneous words.

address space layout randomization by randomly loading a DLL into different locations in memory. To prevent memory corruption vulnerabilities to ASLR with lower level language such as C++ a co-processor may be utilized to segment execution of certain operations

Run AIDE

Scope **Clarity**

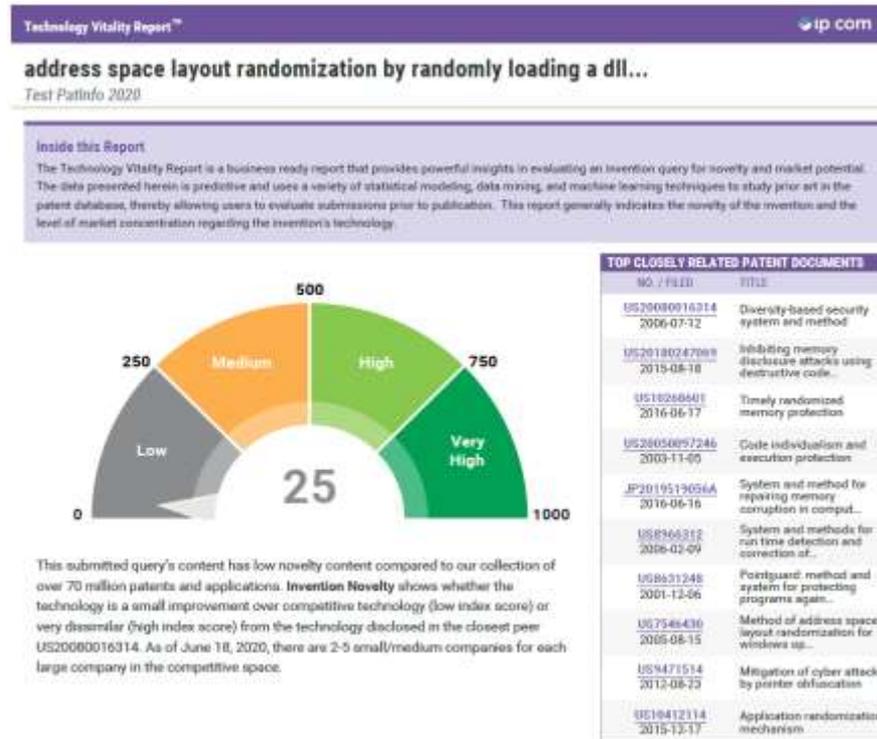
Broad → Highly Specific ← Vague

Top Concepts network | security | hardware | register | identify | determine | application | process | server | interface

Cancel Next >

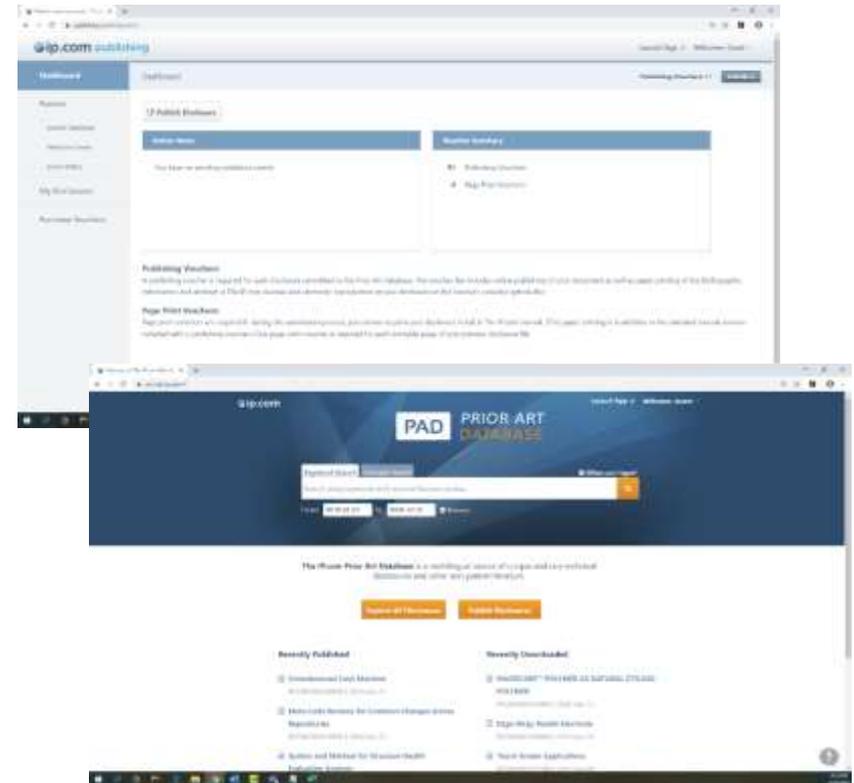
Technology Vitality Report

- Eine Momentaufnahme des Neuheits-Scoring und schnelle Zusammenarbeit mit Erfindern, Ingenieuren und dem IP-Bereich
- Leistungsstarke, auf natürlicher Sprache basierende semantische Eingabe mit der Semantic Gist®-Engine von IP.com



Prior Art Datenbank Überblick

- Sichert eine Freedom-to-Operate in wenigen Minuten
- Erster defensiver Publikations-Service
- IP.com ist der größte und älteste defensive Online-Verlagsdienst mit über 20 Jahren Erfahrung
- Hier finden Sie Informationen, die mit vollständigen Informationen zur Urheberschaft von großen Unternehmen auf der ganzen Welt veröffentlicht wurden



Prior Art Datenbank Überblick

- Zahlen Sie nicht pro Seite, jeder Publishing Voucher umfasst bis zu 17 Seiten in einem Dokument - Unternehmenspakete mit Mengenrabatten erhältlich
- Entsprechendes physisches Journal, das zweimal monatlich gedruckt und verteilt wird, mit einer Zusammenfassung der Abstracts und Volltext auf optischen Medien. Volltextseiten-Druck gegen zusätzliche Gebühr erhältlich.
- Option zum Veröffentlichen ohne Autoreninformationen
- Boolesche Suche in allen Sprachen, Konzeptsuche in Englisch

Suche in priorart.ip.com

An essential source of non-patent literature.

Type of Search

What are you looking for? 

Concept Search ▾

 Search using natural language English phrases or sentences...

Search

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 PRIOR ART DATABASE

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Timo Kandler ▾

Concept Search ▾

 3d print

Search

Advanced Search ▾

15,313 results for "3d print"



4 page(s) | 149K

IPCOM000238607D

System and Method to Print Unique Versions of 3D Objects by Dynamically Altering Relative Attrib...

Disclosed are a system and method to allow a user to intelligently alter iterative three-dimensional (3D) prints of a model to create or ensure uniqueness as compared to a set of existing prints.

Publication Date

2014-Sep-05

Publishing Venue

IP.com PAD

Country

Undisclosed



IPCOM000238200D

Printer-Scanner Resume Print Functionality Using Half Printed Item

Publication Date

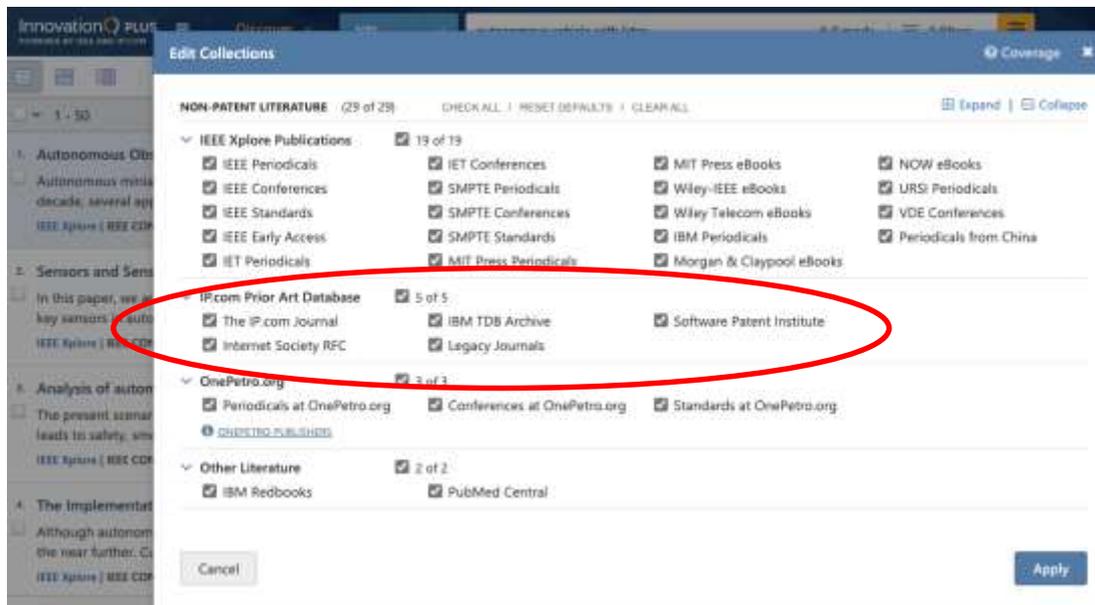
2014-Aug-07

Publishing Venue

IP.com PAD

Download Documents via InnovationQ Plus

- IP.com's Prior Art Datenbank (PAD) ist via InnovationQ unlimited verfügbar
- Durchsuchen Sie IP.com's PAD neben weltweiten Patenten, zusätzlicher NPLund S&P Global Market Intelligence



Einfacher 4 Stufen Prozess

Dashboard	Submit Disclosure	Publishing Vouchers: 91 Add More
Publish	Step 1 of 4 (Primary File and Language)	
Submit Disclosure	Primary Document (required): Use "Browse" to select your disclosure. Your file will be uploaded to our servers immediately; therefore, you grant us permission to process it, validate it can be published, and convert it to a PDF file if required. Note that in some jurisdictions this act may constitute disclosure, so please be cautious and select the correct file! If you choose to complete the publishing process, the PDF rendering will be used as your primary document. Otherwise, we will discard your uploaded file and any associated PDF.	Attachment (optional): Click to add an attachment
Validation Events	<input type="button" value="Browse ..."/> No file chosen	
Event History	Supported file types include: Portable Document Format (PDF), Microsoft Word, Microsoft Power Point	
My Disclosures	File Language: <input type="text" value="English (United States)"/>	
Purchase Vouchers		

Einfacher 4 Stufen Prozess

Step 2 of 4 (Description)

We recommend that you enter bibliographic information in English whenever possible. Our indexing service currently only supports languages which use characters from the Western European character set.

Bibliographic Language:

English Same as Primary File Language

Document Title (required):

Abstract:

Tracking Number:

Einfacher 4 Stufen Prozess

Step 3 of 4 (Extended Description)

Publishing Type:

- Publish this document with FULL authorship information.
- Publish this document with NO authorship information.

 Add Related People

 Add Related Documents

Country of Origin:

Select Country 

Copyright:

Step 4 of 4 (Publishing Options)

Journal Print Format:

All submissions receive the standard listing in the IP.com Journal.

- Print the full disclosure in the Journal (additional cost)

*Note: Your account currently has 4 page-print vouchers.

Chemical Structures:

- This publication contains chemical structures

Next 

Vorstellung

InnovationQ PLUS
POWERED BY IEEE AND IP.COM



- Plattform für Patentsuche und –analyse.
- Eine semantische Suche über IEEE Volltexte, zusammen mit umfangreichen Patentdaten und wichtiger Nichtpatent-literatur.
- Entwickelt für IP-Profis in Unternehmen, Patentkanzleien, Patentämtern und Technologietransferstellen.

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STANDARDS AND MORE...

Inhalte von InnovationQ Plus

InnovationQ Plus indiziert **Nichtpatentliteratur** im Volltext, zusammen mit einer der größten globalen **Patentliteratur-Datenbanken** auf dem Markt. Das heißt:

- über 5 Mio. Dokumente aus IEEE und IET-Zeitschriften, Konferenzen und IEEE Standards
- Zahlreiche weitere Volltext-Literaturdokumente aus IET, SMPTE, OnePetro, Pub Med, IETF, der Prior Art Datenbank von IP.com und mehr.
- Pharmazeutische Daten im Zusammenhang mit Patenten des US FDA "Orange Book" und australischem Register
- Über 50.000 anhängige Verfahren (US) im Zusammenhang mit Patenten
- Globale Datenbank mit über 100 Millionen Patenten und Anmeldungen

USPTO, EPO, WIPO, Kanada, Deutschland, UK, China, Japan, Australien, Indien, Korea, Frankreich, Russland, die Niederlande, Dänemark, Luxemburg, Finnland, Brasilien, Schweden, Schweiz und Taiwan, Österreich, Italien, Neuseeland, Israel, Mexiko, Polen, Südafrika, Brazil, ARIPO, EAPO, Egypt....

Innovative Funktionen

- **Patentierte semantische Suchplattform**
 - Die patentierte IQ+ Suchmaschine findet in komplexen Patenten und Dokumenten versteckte Informationen, damit der Stand der Technik effektiver analysiert werden kann.
- **Visualisierung der Wettbewerber/Patentlandschaft.**
- **Corporate Tree:** S&P Global Market Intelligence Company Relationships data (140.000 Unternehmen und deren Verflechtungen)
- **Darstellung der Konzepte mit der Map**
 - visuelle Darstellung kritischer Dokumente, nach Konzept und Bedeutung, extrahiert aus dem Inhalt. Identifiziert Whitespace und Aktivitäten.
- **Werkzeuge zur Verbesserung von Arbeitsabläufen**
 - Filter, Kollaborations Funktionen, Speichern, Export



Zwei Suchwelten

Boolean Search



Autonomous vehicle

InnovationQ Plus Search



Autonomous vehicle

Car

Automobile

Driver

Robot

Truck

Transport

GPS

Satellite

Passenger

Navigation

Route

Locomotive

Brake

Accelerator

Engine

Network

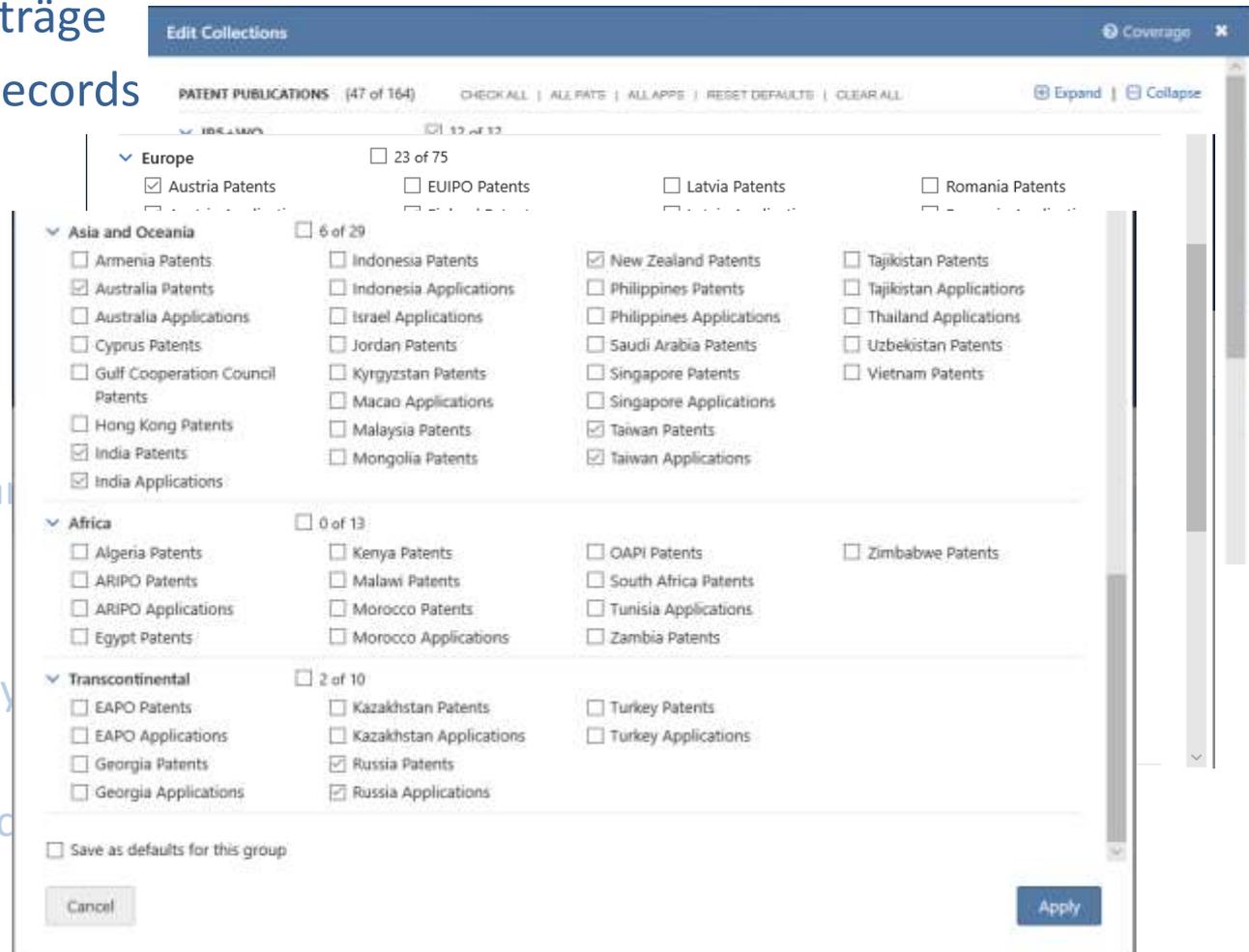
Fuel

InnovationQ Plus

- Patente und Anträge
- U.S. Litigation Records

NPL:

- IEEE Volltexte
- IET Volltexte
- SMPTE
- OnePetro
- Prior Art Datenbank
- IBM Redbooks
- PubMed Central
- eBooks IEEE-Wiley
- URSI Journals
- Chinesische Zeitschriften

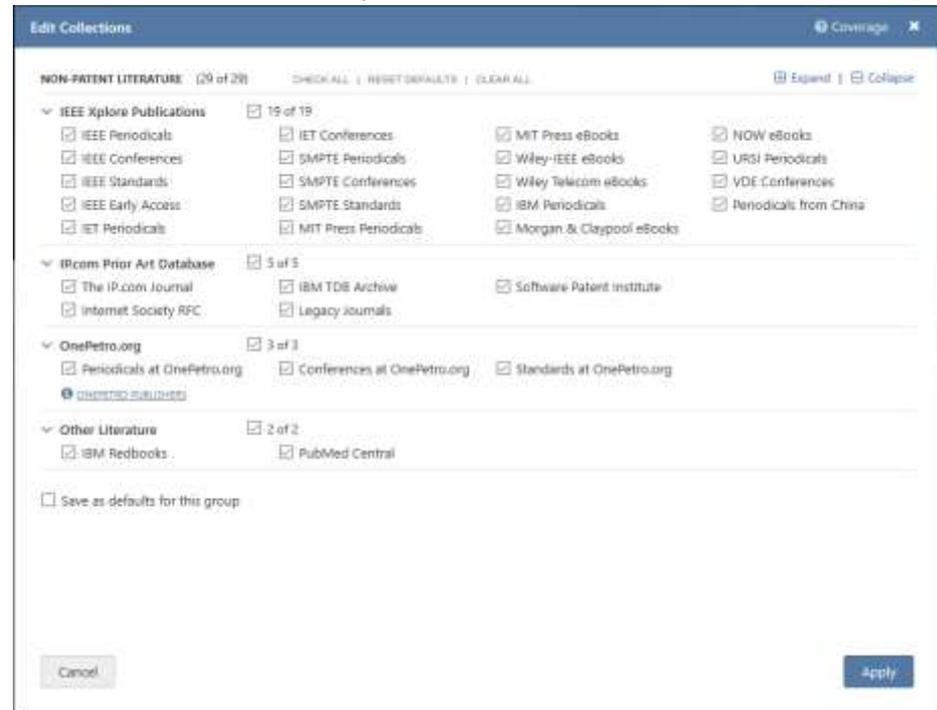


InnovationQ Plus

- Patente und Anträge
- U.S. Litigation Records

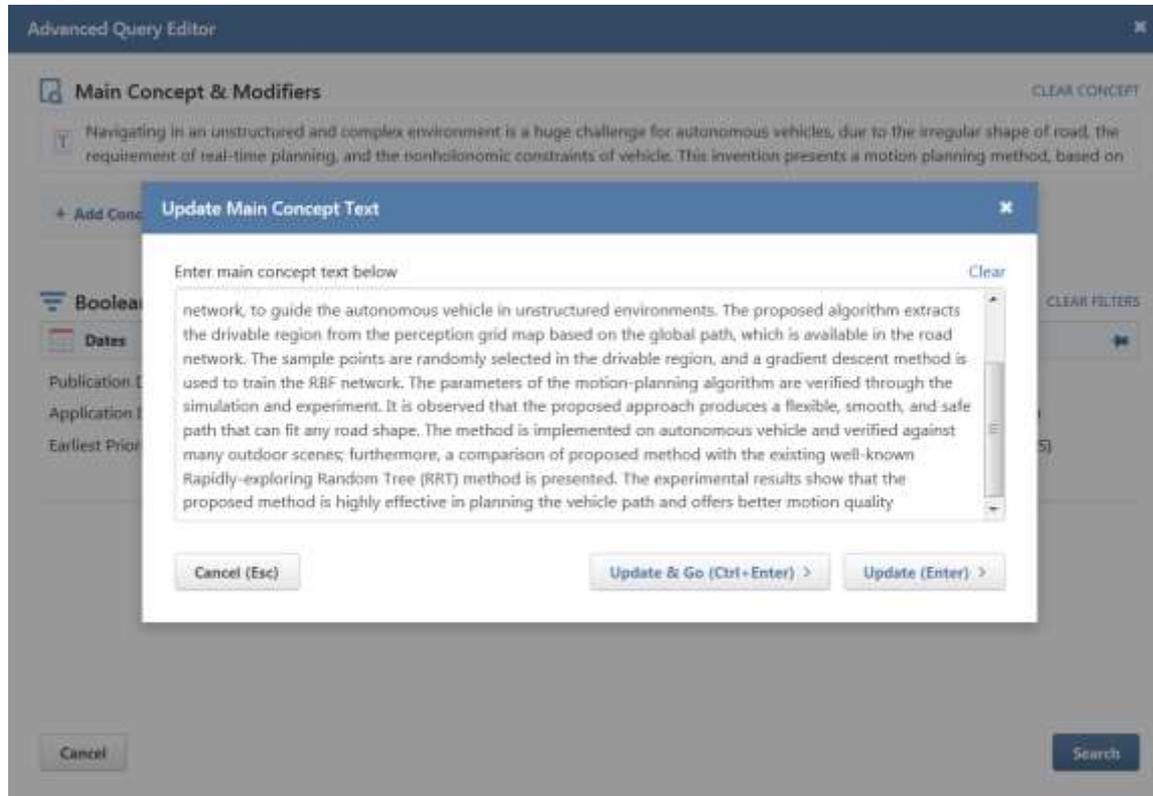
Non-Patent Literature (NPL):

- IEEE Volltexte
- IET Volltexte
- SMPTE
- OnePetro
- Prior Art Datenbank
- IBM Redbooks
- PubMed Central
- eBooks IEEE-Wiley, MIT Press, NOW Publishers, Morgan & Claypool
- URSI Journals
- Chinesische Zeitschriften



InnovationQ Plus

Discover - Concept Search



InnovationQ Plus verbindet beide Suchwelten

- Semantische Konzeptsuche (unbegrenzte Zeichenzahl)
- Boolesche Filter und klassischer Syntaxfilter



... und boolesche Filter

Query Editor

Main Concept & Modifiers

Click to add a concept: describe an idea or use a patent (use a publication number such as US6331415)

Boolean Filters

Dates	Names	Text	IDs/Codes	Legal/Origin
Any Date	Any Name	Any Text	Document IDs	Enforceability
Publication Date	Ultimate Parents	Title	Simple Family	Countries Of Origin
Application Date	Current Assignees	Abstract	Extended Family	Litigation Status (US)
Earliest Priority Date	Assignees/Applicants	Description	Kind Codes	Terminal Disclaimer
	Inventors	Claims	IPC Codes	Regulatory Extension
	Agents	Related Terms	CPC Codes	
	Examiners		JP F-terms	

No filters. Select a filter to add.

Classic Syntax

InnovationQ Plus

Discover - Listenanzeige

The screenshot displays the InnovationQ Plus Discover interface. The search bar at the top contains the text '3D print'. The main content area shows a list of search results, each with a title, a brief description, and a 'CURRENT ASSIGNEES' section. The results are sorted by relevance, and the top 1500 results are displayed. On the right side, there is a 'Relevance' chart showing the distribution of results across different relevance levels (1 to 5). Below the chart, there is a 'Publication Date' chart showing the distribution of results over time (1984 to 2023). At the bottom right, there is a 'First Car Assignments by Relevance' chart showing the top 10 car models and their relevance scores.

1. Finishing three-dimensional printed parts
Examples disclosed herein relate to a finishing system for a three-dimensional (3D) printed part. Example systems include a sensor to detect a marking on a portion of the 3D printed part. A post-processing component of the system may perform a finishing operation on the portion of the 3D printed part.
CURRENT ASSIGNEES: HEWLETT PACKARD DEV CO LP
WO2019039441 | WIPO APPLICATIONS | 08-AUG-2019

2. Finishing three-dimensional printed parts
Examples disclosed herein relate to a finishing system for a three-dimensional (3D) printed part. Example systems include a sensor to detect a marking on a portion of the 3D printed part. A post-processing component of the system may perform a finishing operation on the portion of the 3D printed part.
CURRENT ASSIGNEES: HEWLETT PACKARD DEV CO LP
US2020022191 | US APPLICATIONS | 23-APR-2020

3. Finishing a 3d printed object
According to an example, in a method, a radiation source that is to output radiation at a preset energy level onto a surface of a three-dimensional (3D) printed object may be activated. In addition, the radiation source may be deactivated after a predefined period of time sufficient to cause an...
CURRENT ASSIGNEES: HEWLETT PACKARD DEV CO LP
WO2019014833 | WIPO APPLICATIONS | 08-NOV-2019

4. Finishing a 3d printed object
According to an example, in a method, a radiation source that is to output radiation at a preset energy level onto a surface of a three-dimensional (3D) printed object may be activated. In addition, the radiation source may be deactivated after a predefined period of time sufficient to cause an...
CURRENT ASSIGNEES: HEWLETT PACKARD DEV CO LP
EP3482288A1 | EPO APPLICATIONS | 15-MAR-2018

5. Finishing a 3d printed object
According to an example, in a method, a radiation source that is to output radiation at a preset energy level onto a surface of a three-dimensional (3D) printed object may be activated. In addition, the radiation source may be deactivated after a predefined period of time sufficient to cause an...
CURRENT ASSIGNEES: HEWLETT PACKARD DEV CO LP
US2019033885 | US APPLICATIONS | 31-MAR-2019

6. Post-print processing of three dimensional (3d) printed objects
Example post-print processing of three dimensional (3D) printed objects are disclosed. An example system includes an energy source to apply energy to a selected portion of an outer surface of a 3D printed object. The energy provided by the energy source is to cause a polymer of the selected portion...
CURRENT ASSIGNEES: HEWLETT PACKARD DEV CO LP
WO2020234834 | WIPO APPLICATIONS | 07-NOV-2020

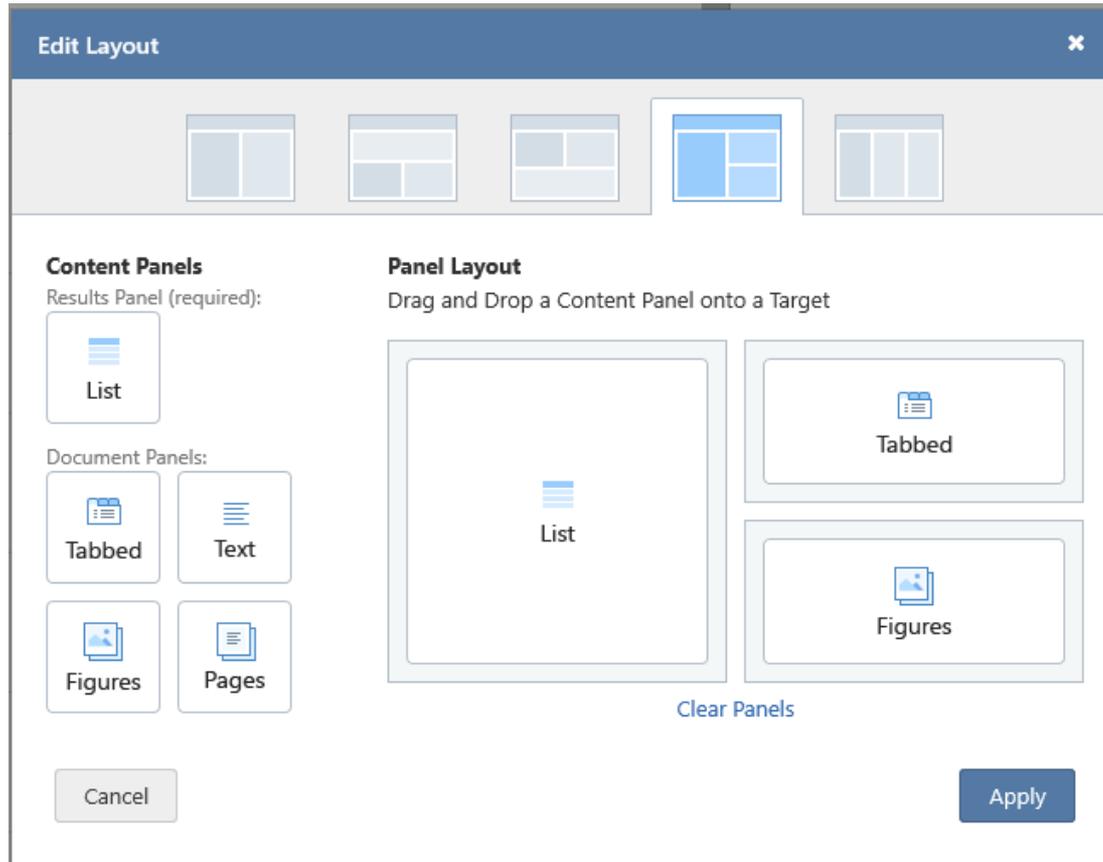
Relevance
5 Results
402 Results
3
2
1

Publication Date
1984 2023

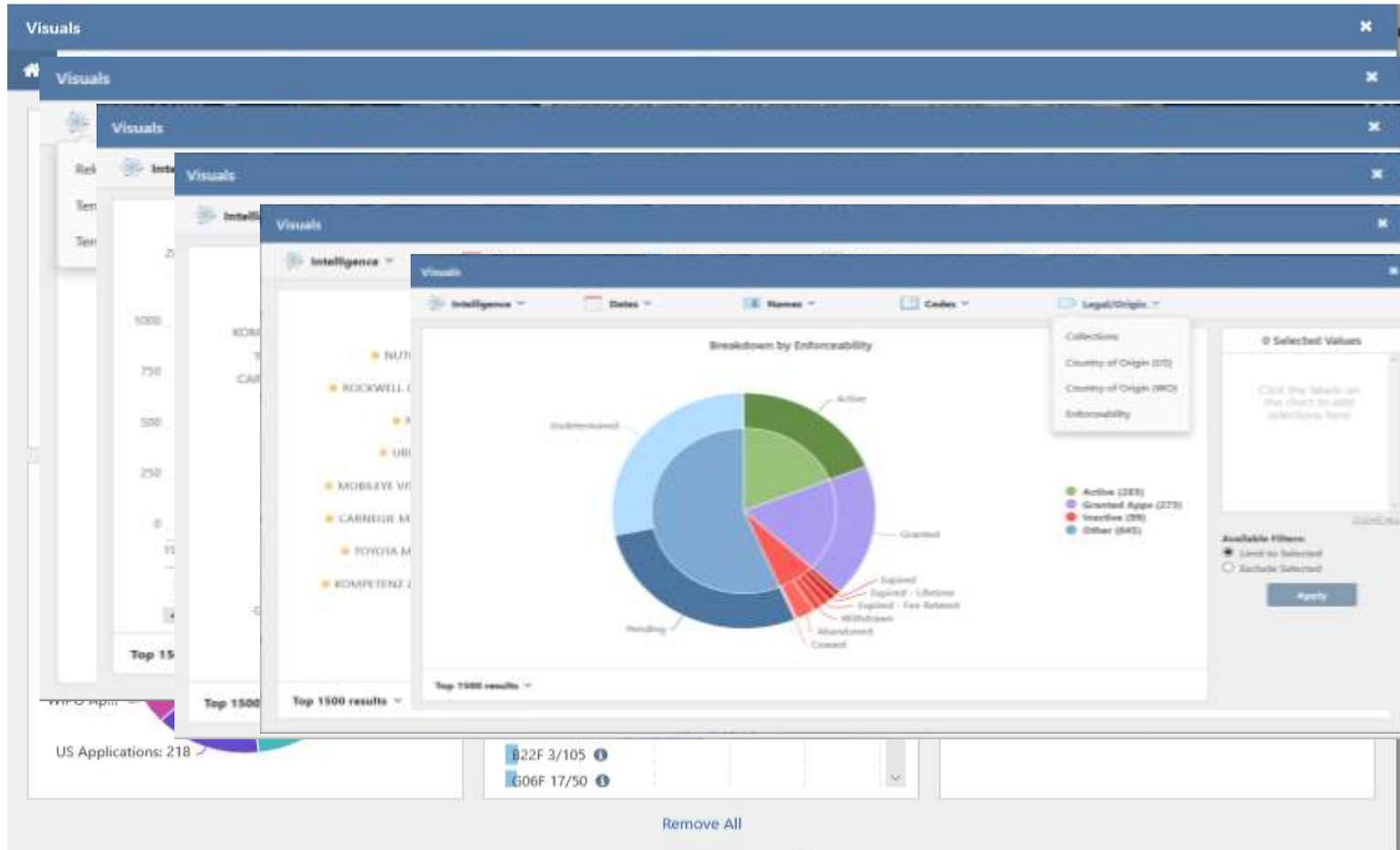
First Car Assignments by Relevance
HEWLETT PACKARD DEV C... (72)
SHARP CORP (17)
KANG ZICHUN (7)
3D FAB LTD (1)
BUN MUN (1)
3D SYS INC (19)
ZHUHAI APEX TECH CO LTD (19)
BEIJING SHANGYI TECH CO LTD (19)

InnovationQ Plus

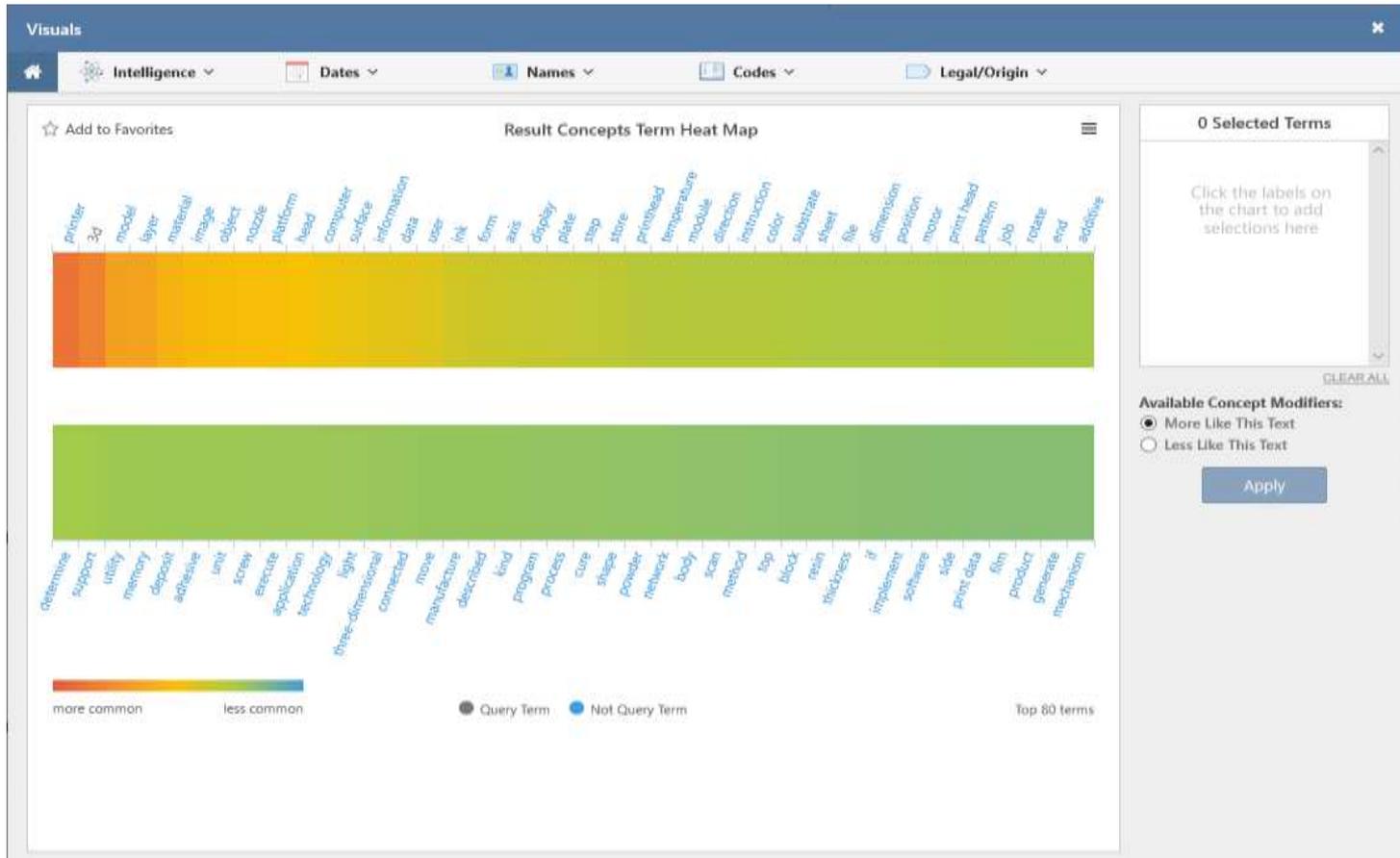
Discover – Ansicht anpassbar



InnovationQ Plus Discover – Visuals

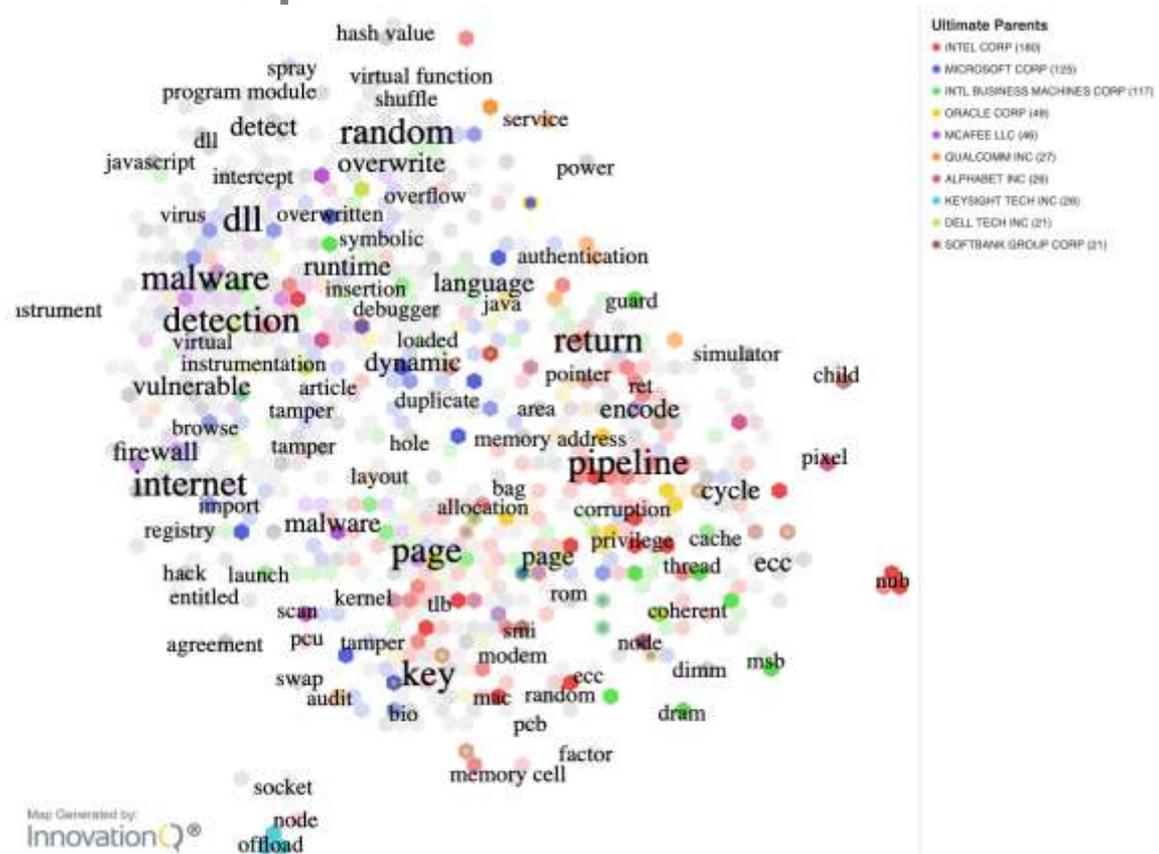


InnovationQ Plus Discover – Heat Map



InnovationQ Plus Map

- AI-based View into Document Relationships
- Generatable for technology spaces and/or companies of interest
- Highlightable by different metrics / overlays, e.g., classification code, parent company, date trends
- Malware detection and processor instruction pipelines are examples of technology clusters in this map
- Patents + NPL
- Configurable size up to 20,000



InnovationQ Plus Analyze

The screenshot displays the InnovationQ Plus 'Analyze' interface. On the left, there is a 'Collection Breakdown' section with a donut chart showing 7275 documents. Below it is an 'Application Data Trend' line graph from 1990 to 2018. The main area features an 'Open Template' window with a 'Filing Trend' chart, a 'Geographic Enforced' pie chart, and a 'CPC Subclass by Enforce' bar chart. The central focus is a table of patent entries with columns for Publication No., Title, Publication Date, Application No., Application Date, Earliest Priority Date, Enforceability, and Year.

Pub	Title	Publication Date	Application No.	Application Date	Earliest Priority Date	Enforceability	Year
1. A.	AU1236898A Supporting material for medical purposes	1999-03-17	AU1236898	1996-10-21	1997-10-23	Granted	3659
2. A.	AU158882A Skin friendly active ingredient plaster for transdermal a...	2002-05-21	AU158882	2001-10-31	2000-11-11	Pending	1972
3. A.	AU162418A Reconfigurable, cylindrical loading box with hanging means	2001-08-16	AU162418	2001-01-18	2000-02-16	Granted	230
4. A.	AU163791A Active substance patch, kind to the skin, for transderm...	2001-08-02	AU163791	2001-05-22	2000-01-20	Granted	
5. A.	AU169870A Skin friendly active ingredient plaster for especially tra...	2002-05-21	AU169870	2001-10-31	2000-11-11	Pending	
6. A.	AU162719A Multilayered supporting construction for plaster syste...	2002-05-21	AU162719	2001-10-31	2000-11-11	Pending	
7. A.	AU162730A Plaster with miscible substances	2002-05-21	AU162730	2001-10-31	2000-11-11	Pending	
8. A.	AU164328A Backing material for gaskets and dressings	1996-10-21	AU164328	1996-01-25	1996-04-08	Granted	
9. A.	AU190692A Flexible barrier film for a support material for medical ...	2002-05-21	AU190692	2001-10-31	2000-11-11	Pending	
10. A.	AU209126291A1 Folding box with integrated suspension lugs in the fold...	2001-11-29	AU209126291	2001-05-04	2000-05-09	Abandoned	
11. A.	AU209127394A1 Squeeze closure for packaging	2001-11-29	AU209127394	2001-05-04	2000-05-09	Abandoned	
12. A.	AU209127751A1 Plaster cover for children	2001-11-29	AU209127751	2001-05-18	2000-05-17	Abandoned	
13. A.	AU209128955A1 An article of manufacture with improved ring and strap...	2002-01-11	AU209128953	2001-08-21	2000-08-21	Abandoned	
14. A.	AU209128956A1 Joint brace	2002-05-29	AU209128959	2001-08-23	2000-08-24	Granted	
15. A.	AU209128962A1 Joint brace	2004-05-19	AU209128960	2001-08-23	2000-08-24	Granted	
16. A.	AU209218880A1 Skin friendly active ingredient plaster for transdermal a...	2002-05-21	AU209218880	2001-10-31	2000-11-11	Abandoned	
17. A.	AU209218881A1 Skin friendly active ingredient plaster for especially tra...	2002-05-21	AU209218881	2001-10-31	2000-11-11	Abandoned	
18. A.	AU209218871A1 Multilayered supporting construction for plaster syste...	2002-05-21	AU209218871	2001-10-31	2000-11-11	Abandoned	
19. A.	AU209218270A1 Plaster with miscible substances	2002-05-21	AU209218272	2001-10-31	2000-11-11	Abandoned	
20. A.	AU209218868A1 Flexible barrier film for a support material for medical ...	2002-05-21	AU209218868	2001-10-31	2000-11-11	Abandoned	
21. A.	AU209225888A1 Pads, particularly back-support bandages	2002-08-08	AU209225888	2002-01-24	2001-01-26	Abandoned	
22. A.	AU209234999A1 Applicator for liquid or paste-like media, in particular f...	2002-07-30	AU209234999	2002-01-18	2001-01-19	Abandoned	
23. A.	AU209244999A1 Silicone based moisture absorbing matrix, particularly ...	2002-10-08	AU209244999	2002-03-21	2001-01-23	Abandoned	
24. A.	AU209258999A1 Operating system comprising a re-orientation mechanism	2002-09-12	AU209258999	2002-02-21	2001-02-24	Abandoned	
25. A.	AU209259791A1 2-thienopyridine-4,5-dialdehyde derivatives and the us...	2002-10-08	AU209259791	2002-03-21	2001-01-26	Abandoned	

InnovationQ Plus Manage

The screenshot shows the 'Project Viewer' interface for a project named 'American Football'. The interface includes a top navigation bar with 'View Projects' and a close button. Below the project name, there are tabs for 'Summary', 'Membership' (which is active), 'Comments', 'History', and 'Settings'. A notification box states: 'Adding Members to Project will convert this project type from "Private" to "Shared".'. There is a 'Roles' section with a dropdown menu 'Select from list of users' and an 'Add To Project' button. A table lists the current members:

Name	Email	Role	Remove
Timo Kandler	timo.kandler@standardsandmore.com	Admin	

Kontakt:

Timo Kandler

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