

Semantic search and analysis in Orbit.com

AIDB conference

11th May 2011

Rossella Osella

Agenda

What is Orbit.com

Language technology in Orbit.com

Case study

What is Orbit.com

New portal hosting multiple services

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- Perform statistics
- Access all our offline services

Orbit.com

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Patents


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EU Patent Validation

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Welcome to Questel Intellectual Property Portal

NEWS!

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Patents



- Search more than 90 patent authorities worldwide, including 20 full-text files in one single databases, available in English and native language
- Search legal status and US reassignments
- Analyze, visualize, report and share results
- Dynamic statistical analysis and mapping (citations, patent families, concepts, assignees, classifications, etc...)

Designs



- Simple and intuitive way of searching Designs from 14 major authorities simultaneously (and growing)
- Ideal resource for Law Firms, Legal and R&D departments with an Industrial Design practice/portfolio

Order a search



- Leave the searching to us - The Patent People
- Patentability, Freedom to Operate, State-of-the-Art, Validity
- Patent analysis and Mapping (competitive intelligence, licensing opportunities, etc...)

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My saved searches

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General search

Keywords

Title, Abstract, Key Content E.g.:Telecom+ OR phone

Classifications

and IPC Browse E.g.:G10L-015

Names

Assignee (Original or Current) Corporate Tree E.g.:Siemens Nixdorf

Inventor: E.g.:Fleming Alexander, Moyer Andrew

Representative: E.g.:Baker Botts

Numbers, Dates & Country

Publ. number E.g.:EP0980063

Date: No Restriction

Publication country: E.g.:US, EP

More fields

Restriction

Databases to search

Search in the following content:

- world patents grouped by invention-based families containing full text
- world patents by Authority containing bibliographic data (PlusPat)
- patents in full text

Searching with Orbit.com

FAMPAT

- Unique family definition
- Searchable in English and original languages
- Unique fields:
 - Key content
 - Concepts
 - US reassignments
 - Searchable legal status

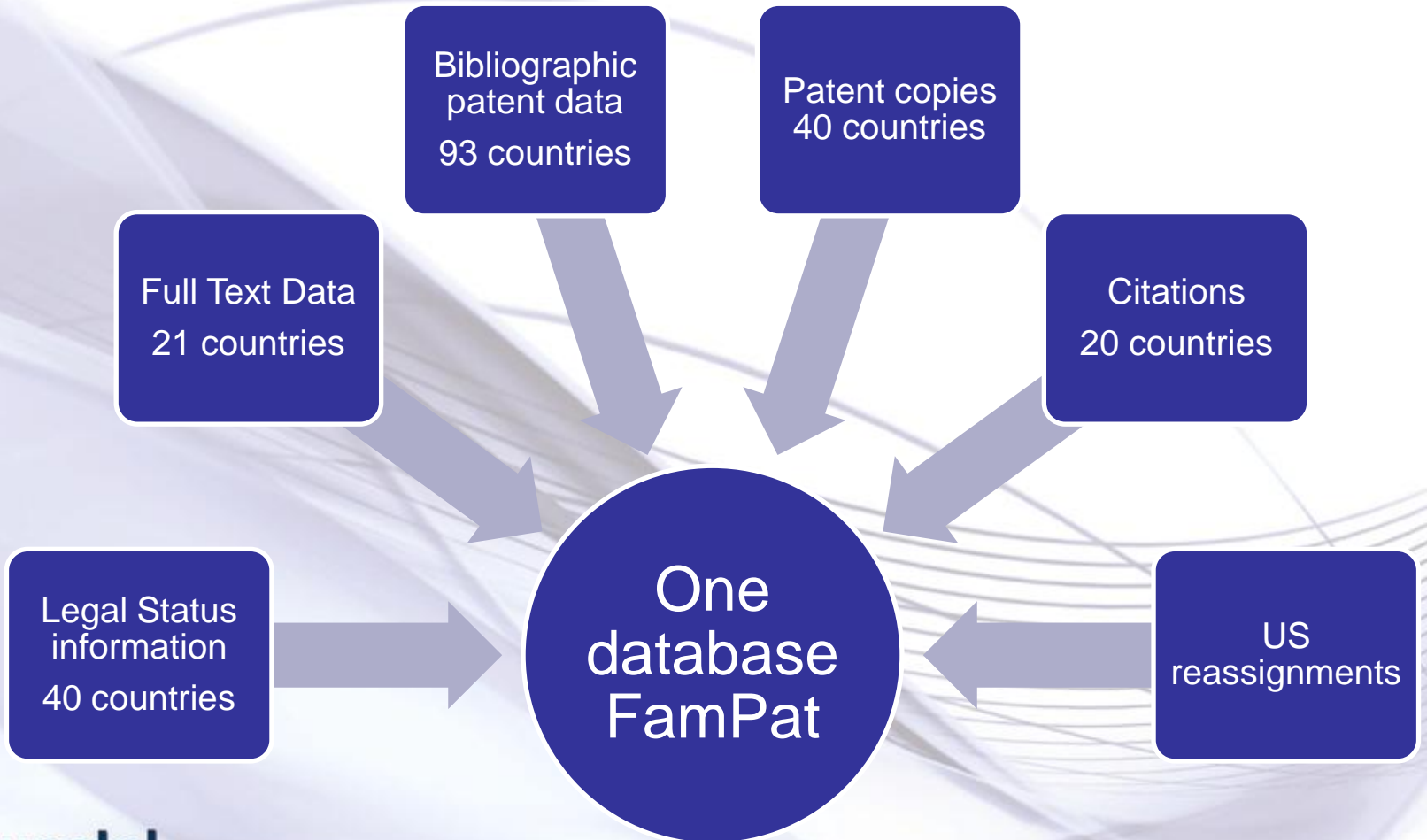
Searching with Orbit.com

FAMPAT

- Merges identical patents as a single one into invention-based families
- Shows all distinctive inventions contained in extended families
- Offers more accurate searches

Searching with Orbit.com

FAMPAT



Searching with Orbit.com

Language technology



Machine translations

Full text machine translations in English from

French

German

Spanish

Portuguese

Danish

Finnish

Swedish

Russian

Chinese

Japanese

Korean

Multilingual search wizard

The screenshot displays the 'Multilingual search wizard' window. The search term 'capsule' is entered in the search field and is highlighted with a red box. Below the search field, the language is set to 'English'. The wizard provides a list of subject-sensitive synonyms and concepts with their translations, also highlighted with a red box. The list includes:

- capsule
 - General (General)
 - German
 - Fruchtkapsel
 - Kapsel
 - English
 - cap
 - capped
 - capping
 - French
 - capsule
 - gélule
 - capsuler
 - capsulé

The right side of the window shows a list of search results, including:

- E.g.:Telecom+ OR phone
- E.g.:G10L-015
- E.g.:Siemens Nixdorf
- E.g.:Fleming Alexander, Moyer Andrew
- E.g.:Baker Botts
- E.g.:EP0980063
- E.g.:US, EP

Buttons for 'Ok' and 'Cancel' are visible at the bottom of the wizard window.

Key-content

- Object of the invention
- Advantages of invention and Drawbacks of prior art
- Independent claims

Extracted with advanced linguistic technology from
EP, WO, US full-text in English

Key-content

Key-content

Object of the invention

The invention relates to an exchangeable **capsule** for preparing a predetermined quantity of beverage suitable for consumption, comprising a circumferential wall, a bottom, closing the circumferential wall at a first end, and a lid closing the circumferential wall at a second end opposite the bottom, wherein the wall, the bottom and the lid enclose an inner space comprising beverage ingredient for preparing the beverage, wherein the bottom comprises an entrance area for supplying fluid to the ingredient, wherein the lid comprises an exit area for draining beverage from the **capsule**. The invention further relates to a system for preparing a predetermined quantity of beverage suitable for consumption comprising such an exchangeable **capsule**.

The system is intended for extraction under pressure, wherein the beverage ingredient can contain a substance for the preparation of a drink chosen from roasted and ground **coffee**, tea and soluble **coffee**. It has been found, however, that in the above known systems preparing of a beverage using a **capsule** containing soluble beverage ingredients results in uncontrolled preparing of the beverage.

Advantages / Previous drawback

Therefore, it can be advantageous if, according to a further aspect of the invention, the entrance area comprises an entrance filter, for instance of a porous sheet, such as a sheet of paper or the like non-woven material or a perforate sheet, such as a polymeric film provided with a plurality of entrance openings, for supplying the fluid to the extractable product there through.

Thus it is possible to provide, in an easy manner, that the lid 9, in use, does not tear and/or rupture and stays intact.

In general, parameters of the exit filter 23 of the **capsule** 2 of the system 1 according to the invention can be chosen such that the exit filter 23 does not tear or rupture, e.g. has the sufficiently high tear strength and/or forming the sufficiently low flow resistance not to be pierced or torn.

The mere fact that certain measures are recited in mutually different claims does not indicate that a combination of these measures cannot be used to advantage.

Independent claims

1. Exchangeable **capsule** for preparing a predetermined quantity of beverage suitable for consumption, comprising a circumferential wall, a bottom, closing the circumferential wall at a first end, and a lid closing the circumferential wall at a second end opposite the bottom, wherein the wall, the bottom and the lid enclose an inner space comprising beverage ingredient for preparing the beverage, wherein the bottom comprises an entrance area for supplying fluid to the ingredient, wherein the lid comprises an exit area for draining beverage from the **capsule**, wherein the beverage ingredient comprises at least a soluble substance, and wherein the exit area comprises an exit filter that is adapted to substantially prevent non-dissolved soluble substance from leaving the **capsule**.



Concepts

New analysis and search by concepts

Concepts

**extracted from EP, WO, US full text in English
using highly advanced tools
with syntactic and semantic normalization**

Concepts

- Each key concept is “scored”
- Score calculation based on:
 - Occurrences of the concept in the document
 - Fields where the concepts appear
 - Frequency of the multiword concept in the database
 - Frequency of the concept words in the database
 - Non-linear formula (trade secret)

Other features

- **Similarity search**
 - Extraction based on concepts, classification codes, citing patents
- **Relevance ranking**
 - Weighting by type of fields and position of terms within such fields, frequency, proximity, concepts

Case study



Search keywords

General search

Keywords

Title, Abstract, Key Content	capsule?
Title, Abstract, Key Content	coffee

Classifications

and IPC

Names

Assignee (Original or Current)

Inventor:

Representative:

Numbers, Dates & Country

Publ. number

Date: No Restriction

Publication country:

More fields

Abstracts

Results

Orbit.com

Display Add to Export Top Citations Compare Save Alert Analyse

587 results for ((CAPSULE?)/BI/SA AND (COFFEE)/BI/SA)

FAMPAT

#	Title	Original or current assignee
1.	METHOD FOR INCREASING LACTOSE TOLERANCE IN PATIENTS WITH LACTOSE INTOLERANCE	RITTER PHARMACEUTICALS
2.	ERGONOMIC CAPSULE EXTRACTION DEVICE	NESTEC
3.	Capsule system comprising a capsule and a device for preparing infused beverages	NESTEC
4.	(CN201775495U) (U) 一种咖啡胶囊机	ZHANG JIANJIE
5.	Device for preparing infused beverages	F A S INTERNATIONAL
6.	Device for preparing infused beverages having improved capsule feeding means	F A S INTERNATIONAL
7.	(CN101986987) (A) 一种制造咖啡饮料的酿造装置	WANG ZHAOFENG
8.	COFFEE CAPSULE	SUNDAY PRODUCTS
9.	System and capsule for preparing and delivering a drink by injecting a pressurized fluid into the capsule	NESTEC
10.	PORTION CAPSULE AND USE OF A PORTION CAPSULE	KRUEGER; KRUEGER
11.	(A) TABLE TYPE VENDING MACHINE HAVING A GENERATING SERVICE OF TAROT FORTUNE	OH KWANG SUNG
12.	BEVERAGE MACHINE IN A NETWORK	NESTEC
13.	CAPSULE FOR PREPARING A BEVERAGE	ETHICAL COFFEE
14.	BEVERAGE MACHINE FOR A NETWORK	NESTEC
15.	CAPSULE SYSTEM FOR THE PREPARATION OF BEVERAGES BY CENTRIFUGATION	NESTEC
16.	DEVICE FOR PREPARING A BEVERAGE EXTRACTED FROM A CAPSULE	ETHICAL COFFEE
17.	CAPSULE SYSTEM FOR THE PREPARATION OF BEVERAGES BY CENTRIFUGATION	NESTEC
18.	Brewing unit for use in vending machine for producing coffee, has closure part arranged in brewing chamber and movable along longitudinal axis towards end of capsule holder such that closure part is tightly pressed at end in closed position	SEVERIN ELEKTROGERATE

Top Assignees
Top European Classes
Top US Classes
Top International Classes
Top FI Terms
Top FTM Terms
Concepts

TOP 50 concepts

Analyze from selected records

TOP 50 concepts analysis

Please select the concepts you want to use to refine your search.

<input checked="" type="checkbox"/>	Percentage	Concepts
<input type="checkbox"/>	14.39%	CAPSULE
<input type="checkbox"/>	12.82%	GROUND COFFEE
<input type="checkbox"/>	10.84%	BEVERAGE PREPARATION
<input type="checkbox"/>	10.65%	COFFEE MACHINE
<input type="checkbox"/>	8.48%	COFFEE CUP
<input type="checkbox"/>	8.08%	COFFEE BEVERAGE
<input type="checkbox"/>	8.08%	COFFEE POWDER
<input type="checkbox"/>	7.69%	HOT WATER
<input type="checkbox"/>	7.49%	PREPARING BEVERAGE
<input type="checkbox"/>	7.29%	COFFEE
<input type="checkbox"/>	5.71%	BEVERAGE
<input type="checkbox"/>	5.71%	DRINK PREPARATION
<input type="checkbox"/>	5.71%	INFUSION CHAMBER
<input type="checkbox"/>	5.71%	INSTANT COFFEE
<input type="checkbox"/>	5.71%	MILK POWDER
<input type="checkbox"/>	5.71%	RECEPTACLE
<input type="checkbox"/>	5.52%	FILTER PAPER
<input type="checkbox"/>	5.12%	BEVERAGE INGREDIENT

Use for a new search

Ok

Cancel

TOP 50 IPC codes

Analyze from selected records

TOP 50 IPC codes analysis

Please select the International Codes you want to use to refine your search.

<input type="checkbox"/>	Percentage	IPC codes
<input type="checkbox"/>	35.10%	A47J-031/40
<input type="checkbox"/>	32.34%	A47J-031/44
<input type="checkbox"/>	32.14%	A47J-031/24
<input type="checkbox"/>	26.23%	B65D-085/804
<input type="checkbox"/>	24.26%	A47J-031/06
<input type="checkbox"/>	23.66%	A47J-031/00
<input type="checkbox"/>	22.68%	A47J-031/36
<input type="checkbox"/>	12.82%	B65D-081/00
<input type="checkbox"/>	10.65%	A47J
<input type="checkbox"/>	8.48%	A47J-031/34
<input type="checkbox"/>	6.70%	A23F-005/24
<input type="checkbox"/>	5.71%	A23F-003/00
<input type="checkbox"/>	5.52%	B65B-029/02
<input type="checkbox"/>	5.32%	A47J-031/46
<input type="checkbox"/>	4.93%	B65D-081/34
<input type="checkbox"/>	4.53%	A23L-002/52
<input type="checkbox"/>	4.33%	A23F-005/00
<input type="checkbox"/>	4.14%	A47J-031/10

- Refine previous search
- Extend to selected classes
- Limit to selected classes

Ok

Cancel

TOP 50 ECLA codes

Analyze from selected records

TOP 50 ECLA codes analysis

Please select the European Codes you want to use to refine your search.

<input type="checkbox"/>	Percentage	ECLA codes
<input type="checkbox"/>	24.26%	B65D-085/804B
<input type="checkbox"/>	9.66%	A47J-031/36A4D
<input type="checkbox"/>	6.90%	A47J-031/06P4B
<input type="checkbox"/>	6.90%	A47J-031/36B4D2
<input type="checkbox"/>	6.50%	A47J-031/36A4F
<input type="checkbox"/>	5.32%	A47J-031/36A4B
<input type="checkbox"/>	4.73%	A47J-031/06P4
<input type="checkbox"/>	3.94%	A47J-031/36A4
<input type="checkbox"/>	3.55%	B65D-085/804B1
<input type="checkbox"/>	3.35%	A47J-031/36B4D
<input type="checkbox"/>	2.95%	A47J-031/36
<input type="checkbox"/>	2.76%	A47J-031/36A4H
<input type="checkbox"/>	2.76%	A47J-031/36B4B
<input type="checkbox"/>	2.56%	A47J-031/06P4D
<input type="checkbox"/>	2.56%	A47J-031/36B4B2
<input type="checkbox"/>	2.56%	A47J-031/44A4D
<input type="checkbox"/>	2.36%	A23L-001/22B2
<input type="checkbox"/>	2.36%	A47J-031/40H

- Refine previous search
- Extend to selected classes
- Limit to selected classes

Ok

Cancel

IPC codes Vs concepts

TOP 5 IPC CODES

A47J-31/40

Beverage-making apparatus with dispensing means for adding a measured quantity of ingredients, e.g. coffee, water, sugar, cocoa, milk, tea

A47J-31/44

Parts or details of beverage-making apparatus

A47J-31/24

Coffee-making apparatus in which hot water is passed through the filter under pressure

B65D-85/804

Disposable containers or packages with contents which are infused or dissolved situ

A47J-31/06

Filters or strainers for coffee or tea makers

A47J-031/00

Apparatus for making beverages

B65D-085/00

Containers, packaging elements or packages, specially adapted for particular articles or materials

TOP 5 CONCEPTS

Capsule

Ground coffee

Beverage preparation

Coffee machine

Coffee cup

ECLA codes Vs concepts

TOP 5 ECLA CODES

B65D-085/804B

Packages adapted to allow liquid to pass through the contents

A47J-031/36A4D

Means to perform transfer from a loading position to an infusing position

A47J-031/06P4B

Means to perforate the cartridge for creating the beverage outlet

A47J-031/36B4D2

Cartridge perforating means for creating the hot water inlet

A47J-031/36A4F

Means to eject the cartridge after brewing

A47J-031/00

Apparatus for making beverages

B65D-085/00

Containers, packaging elements or packages, specially adapted for particular articles or materials

TOP 5 CONCEPTS

Capsule

Ground coffee

Beverage preparation

Coffee machine

Coffee cup

Concept

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Biblio Claims Key Content **Concepts** ext Legal Status + <<

ADAPTOR DEVICE | AFTER DISPENSING | AROMA | ATMOSPHERE CONDITION | BARLEY | BLEND | BOTTOM DUCT | CAPSULE | CAPSULE BOTTOM FOIL | CAPSULE CONTAINER | CAPSULE PIERCING | CAPSULE SEALING FOIL | CIRCUMFERENCE ARC | COFFEE CUP | COFFEE DISPENSING | COFFEE POWDER DOSE | COFFEE POWDER LOOSE QUANTITY | COFFEE QUALITY | COFFEE TEXTURE | CONICAL ELEMENT | CONTAINER INSIDE | CYLINDRICAL HOLLOW ELEMENT | DIE CAPSULE | DISPENSING BEVERAGE | DISPENSING COFFEE | DISPENSING MEAN | EQUILATERAL TRIANGLE DIE VERTEX | ESTABLISHING FLUID COMMUNICATION | FINELY GROUND ROASTED COFFEE | FRESHLY ROASTED COFFEE | HERBAL INFUSION | LATERAL HOLE | LOOSE COFFEE NORMAL PRESSING | LOOSE COFFEE POWDER | MAJOR ADVANTAGE | NORMAL PROFESSIONAL COFFEE MACHINE | PATENT APPLICATION CAPSULE | PERCOLATED BEVERAGE | PIERCING MEAN | PIERCING SPIKE | PIERCING TIP | POWDERY SUBSTANCE INFUSION | PREPARED BEVERAGE | PREPARING | PROFESSIONAL MACHINE | RADIAL SEGMENT | REMOVEABLE ADAPTOR | REMOVEABLE FILTER HOLDER | RESIDUAL PRODUCT | ROASTED COFFEE BEAN | SEAL ENGAGEMENT | SEALED CAPSULE CONTAINING COFFEE POWDER | SEALED CAPSULE USE | SOLUBLE BEVERAGE | SOUP | TOP PERIMETRAL EDGE | TRANSVERSE EXTENSION | WATER DISPENSING |

Search concepts

General search

Keywords

Concepts

COFFEE CAPSULE

Classifications

and IPC

Names

Assignee (Original or Current)

Inventor:

Representative:

Numbers, Dates & Country

Publ. number

Date: No Restriction

Publication country:

More fields

Abstracts

Restriction

Databases to search

Search in the following content:

world patents grouped by invention-based families containing full text

world patents by Authority containing bibliographic data (PlusPat)

Select Fulltext

Results

83 results for (COFFEE CAPSULE)/KEYW

FAMPAT Clear selection 83 results are selected.

#	Title	Original or current assignee	Publ. number
---	-------	------------------------------	--------------

19. Napolitana coffee making system SARA LEE EP2119640

(EP2119640) [Image unavailable, check for mosaic](#)

A system for preparing a coffee extract, provided with at least one Napolitana coffee maker (1) which is provided with a first chamber (2) for receiving water and a coffee holder (4) provided with a second chamber (6) for receiving an amount of ground coffee (48), wherein in the second chamber (6) a maximum amount of ground coffee (48) can be received which is intended for preparing multiple cups of coffee. The system is further provided with a coffee capsule (40) which is received in the second chamber (6) and which comprises a coffee space which is filled with an amount of ground coffee (48), wherein the coffee capsule (40) is provided with an upstanding sidewall (42), a bottom (44) which is provided with an inlet filter (46) which forms a barrier to the ground coffee and can pass a liquid, and a top wall (50) which is provided with an outlet filter (52) which forms a barrier to the ground coffee and can pass a liquid, and wherein the coffee capsule (40) is so received in the second space (6) that the top wall (50) of the coffee capsule (40) is situated near the exit filter (18) of the Napolitana coffee maker (1) and the bottom (44) of the coffee capsule (40) is situated near the entrance filter (8) of the Napolitana coffee maker (1), wherein the coffee capsule (40) is so designed that a distance (h) between the bottom (44) and the top wall (50) of the coffee capsule (40) can be reduced by pressing the bottom (44) and the top wall (50) towards each other, and wherein the distance (h) between the top wall (50) and the bottom (44) of the coffee capsule (40) before it is placed in the Napolitana coffee maker (1) is greater than a length of the second space (6) in a direction from the entrance filter (8) of the Napolitana coffee maker (1) to the exit filter (18) of the Napolitana coffee maker.

[Find similar patents](#) / [Find Inpadoc Family](#) / [Graph Inpadoc Family](#)

Patent Assignee (Original) Sara Lee/DE N.V.; Keulsekade 143; 3532 AA Utrecht (NL)

German Title
System für Kaffeezubereitung auf napoletanische Art

French Title
rication de café

Concepts

COFFEE CAPSULE BOTTOM (19,17); COFFEE EXTRACT (18,19); COFFEE HOLDER (18,28); COFFEE MULTIPLE CUP (16,5); COFFEE BEVERAGE (15,4); COFFEE CAPSULE UPSTANDING SIDEWALL (12,5); OUTLET FILTER (12,11); PREPARING MULTIPLE CUP (12,5); COFFEE CAPSULE INLET FILTER (11,1); COFFEE CAPSULE TOP WALL (11,15); COFFEE CAPSULE SEALINGLY (10,4); COFFEE SPACE (8,9); FLUID SEALING (7,11); SUPPLYING HOT WATER (6,4); CLAMPING (6,15); COFFEE CAPSULE BOTTOM HEIGHT (3,1); NAPOLITANA COFFEE MAKER RESPECTIVE COFFEE CAPSULE (3,2); CATEGORY (3,17); COFFEE CAPSULE HEIGHT (2,3); SEALING RING AID (2,2); PROPER SEALING (2,1); COFFEE CAPSULE PRODUCER (2,1); WATER FLOW (2,1); LOOSE GROUND COFFEE (2,2); OPENING (2,4); COFFEE FORM (1,2); COFFEE EXTRACT CUP (1,1); COFFEE CAPSULE ORIGINAL HEIGHT (1,1); LOOSE COFFEE (1,1); COFFEE BEVERAGE FORM (1,1); COFFEE CAPSULE INSIDE (1,1); BESIDES GROUND COFFEE (1,1); COFFEE BED (1,1); CONSUMER (1,3); OPENING MULTIPLICITY (1,2); COFFEE CAPSULE PRESENT (0,1);

Search history

Orbit.com

Erase all Save entire strategy Create a script Export

Full Text merged in families (FamPat)

Search Step	Result(s)	Query	Assistant	Source	Action
14	204	10 NOT 11	Command Line	FAMPAT	Show results Modify Save Alert Delete
13	8751	11 NOT 10	Command Line	FAMPAT	Show results Modify Save Alert Delete
12	1507	10 AND 11	Command Line	FAMPAT	Show results Modify Save Alert Delete
11	10258	((COFFEE)/BVTX AND (CAPSULE)/BVTX)	Command Line	FAMPAT	Show results Modify Save Alert Delete
10	1711	((COFFEE)/KEYW AND (CAPSULE)/KEYW)	Command Line	FAMPAT	Show results Modify Save Alert Delete
9	283	((COFFEE)/SA AND (CAPSULE)/SA)	Command Line	FAMPAT	Show results Modify Save Alert Delete
8	92	((COFFEE)/ICLM AND (CAPSULE)/ICLM)	Command Line	FAMPAT	Show results Modify Save Alert Delete
7	9917	((COFFEE)/DESC/ODES AND (CAPSULE)/DESC/ODES)	Command Line	FAMPAT	Show results Modify Save Alert Delete
6	628	((COFFEE)/CLMS AND (CAPSULE)/CLMS)	Command Line	FAMPAT	Show results Modify Save Alert Delete
5	977	((COFFEE)/BVSA/CLMS AND (CAPSULE)/BVSA/CLMS)	Command Line	FAMPAT	Show results Modify Save Alert Delete
4	509	((COFFEE)/B/SA AND (CAPSULE)/B/SA)	Command Line	FAMPAT	Show results Modify Save Alert Delete
3	821	((COFFEE)/BVCLMS AND (CAPSULE)/BVCLMS)	Command Line	FAMPAT	Show results Modify Save Alert Delete
2	306	((COFFEE)/BI AND (CAPSULE)/BI)	Command Line	FAMPAT	Show results Modify Save Alert Delete
1	90	((COFFEE)/TVOTVFT/GT AND (CAPSULE)/TVOTVFT/GT)	Command Line	FAMPAT	Show results Modify Save Alert Delete

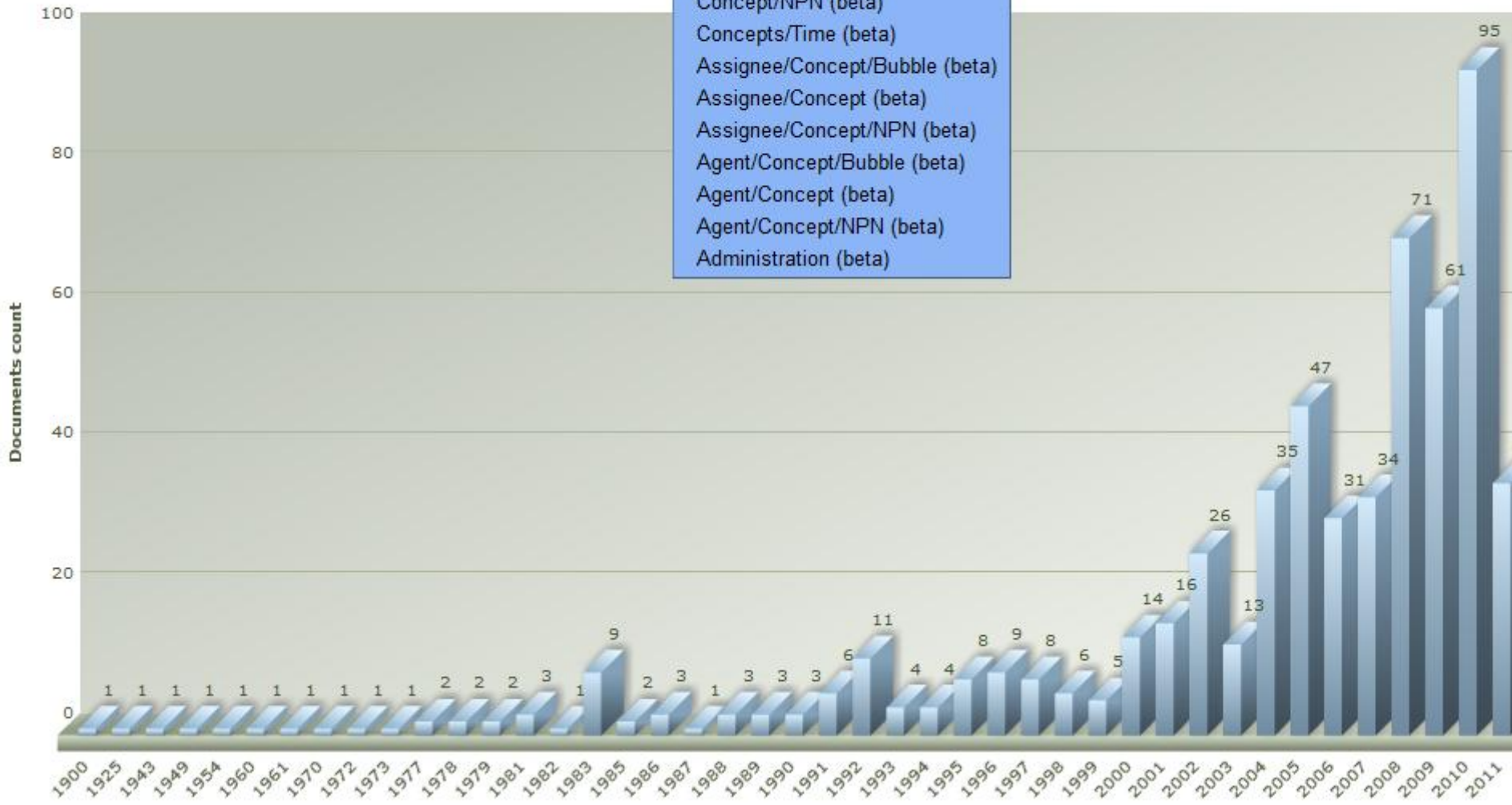
Combine strategies, E.g.: (1 or 2) not 3, 1 and (phone+)

Mapping module (beta)

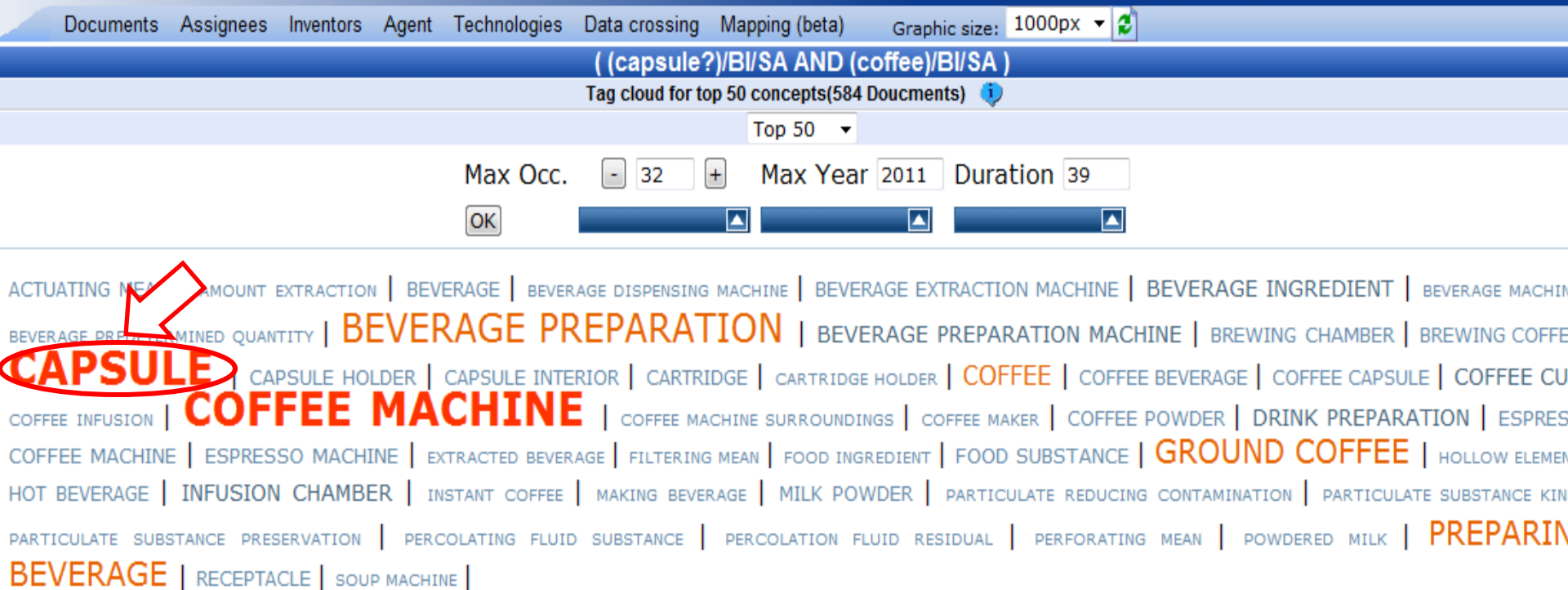
Documents Assignees Inventors Agent Technologies Data crossing Mapping (beta) Graphic size: 1000px

((capsule'
Distributio

- Concepts tag cloud (beta)
- Concepts treemap (beta)
- Cluster view (beta)
- Concept/NPN (beta)
- Concepts/Time (beta)
- Assignee/Concept/Bubble (beta)
- Assignee/Concept (beta)
- Assignee/Concept/NPN (beta)
- Agent/Concept/Bubble (beta)
- Agent/Concept (beta)
- Agent/Concept/NPN (beta)
- Administration (beta)



Tag cloud for top concepts



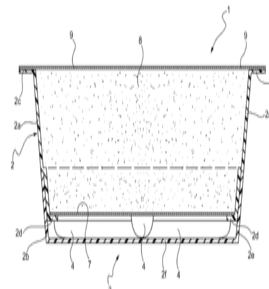
Document list having concept CAPSULE



Documents Assignees Inventors Agent Technologies Data crossing Mapping (beta) Graphic size: 1000px

((capsule?)/BI/SA AND (coffee)/BI/SA)

Document list having concept: CAPSULE

	Title	PN	Date
1	System and capsule for preparing and delivering a drink by injecting a pressurized fluid into the capsule	Patent Number: ITTO20090216 A1 20100921	2011
2	THERMO-FUSE FOR A PUMP OF A BEVERAGE MACHINE	CAPSULE FOR THE PREPARATION OF A BEVERAGE AND CAPSULE-HOLDING UNIT FOR USE THEREWITH (IT2009TO0216)	2010
3	RIGID CARTRIDGE FOR COFFEE AND SOLUBLE PRODUCTS FOR PREPARING BEVERAGES	CAPSULA PER LA PREPARAZIONE DI UNA BEVANDA, IN PARTICOLARE CAFFE', E GRUPPO PORTA-CAPSULA PER IL SUO UTILIZZO (WO2010106516)	2010
4	CAPSULE, SYSTEM AND METHOD FOR THE PREPARATION OF A BEVERAGE AND A METHOD FOR MANUFACTURING SUCH A CAPSULE	The capsule (1) comprises a cup body (2), with a bottom wall (2f) on which is a separating structure (3) with a plurality of spokes (4), defined between which are corresponding interspaces (5). The bottom wall (2f) has in its central portion a plurality of drink exit openings (6) which are not aligned with the slopes (4). A first filter sheet (7) is arranged on the separating structure (3) in such a way that a plurality of brewing chambers is defined between the first filter sheet (7), the spoked structure (3) and the bottom wall (2f). A quantity of powdered or granular material (8), especially roast ground coffee, is placed in the body (2) on the filter sheet (7). The second sheet (9) of filter material is applied to a top outer edge of said body (2). In use, the pressure of the fluid injected into the capsule (1) deforms the first filter sheet (7) in such a way that it moves towards the bottom wall (2f) through the interspaces (5) between the spokes (4), while defining, along the opposite edges of each spoke (4), respective essentially radial channels or passages (10) for the drink to flow towards the openings (6) in the bottom wall (2f).	2010
5	A CARTRIDGE FOR COFFEE AND SOLUBLE PRODUCTS FOR PREPARING BEVERAGES		2010
6	CAPSULE FOR THE PREPARATION OF A BEVERAGE AND CAPSULE-HOLDING UNIT FOR USE THEREWITH	Inventor: VANNI ALFREDO Patent Assignee: LUIGI LAVAZZA Orig. Applicant/Assignee: LUIGI LAVAZZA S.p.A.; / Corso Novara 59, I-10154 Torino (IT) (except US) VANNI, Alfredo; / Via Prolungo 1/Bis, I-17020 Magliolo (Savona) (IT) (only US)	2010
7	MACHINE FOR THE PREPARATION OF BEVERAGES BY INFUSION USING CARTRIDGES	Patent Assignee History: (A1) LAVAZZA LUIGI SPA (IT); VANNI ALFREDO (IT) (A1) LAVAZZA LUIGI SPA	2010
8	Perforation device for capsules and machine for preparing beverages incorporating said device	FamPat family Publication Number Kind Publication date Links ITTO20090216 A1 20100921 STG: Application fo patent of invention AP: 2009IT-TO00216 20090320	2010
9	Capsule for infusion products		2010
10	ENERGY SAVING MANAGER FOR BEVERAGE PREPARATION DEVICES		2009
11	Infusion unit	AT459277T DE602008000752D1 EP2070452A1 EP2070452B1 ES2341919T3 ITBS20070194A1	2009
12	Capsule for infusion products ASSEMBLY COMPRISING AN	EP1992575A1 ITBO20070345A1	2008

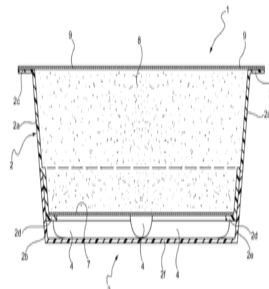
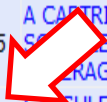


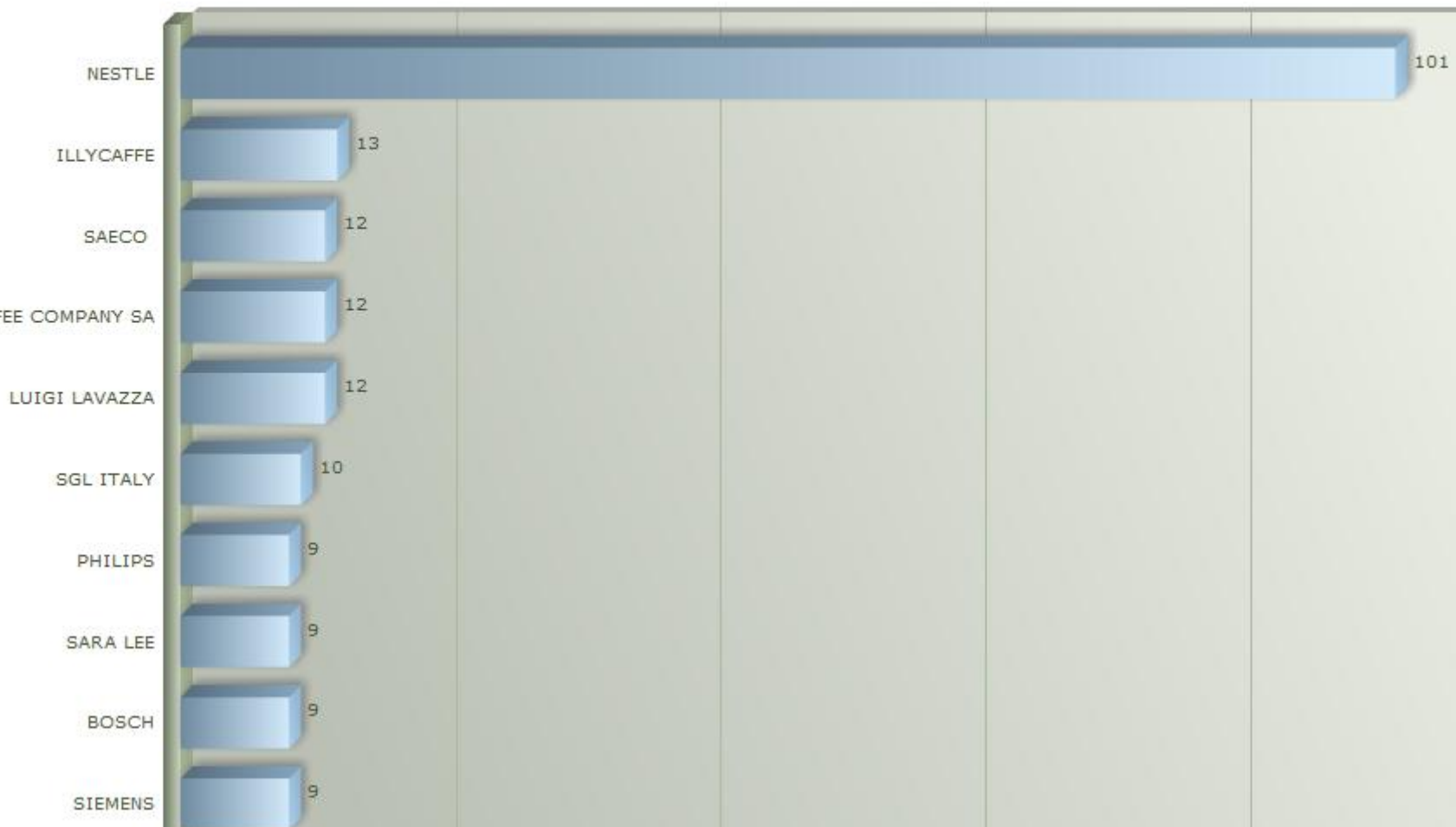
FIG.1
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Top 10 assignees

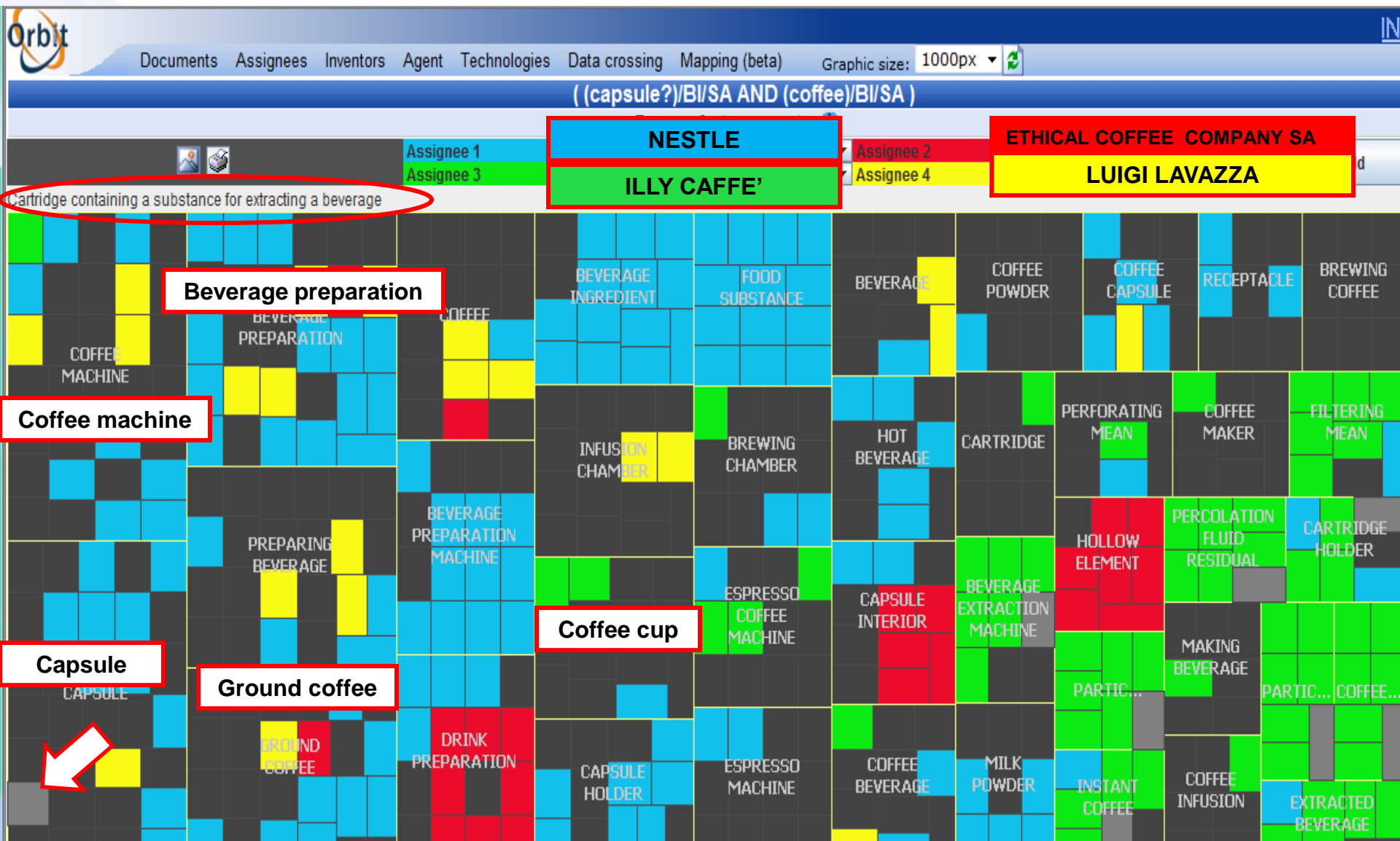
((capsule?)/BI/SA AND (coffee)/BI/SA)

Top 10 assignees 

Top 10 ▼

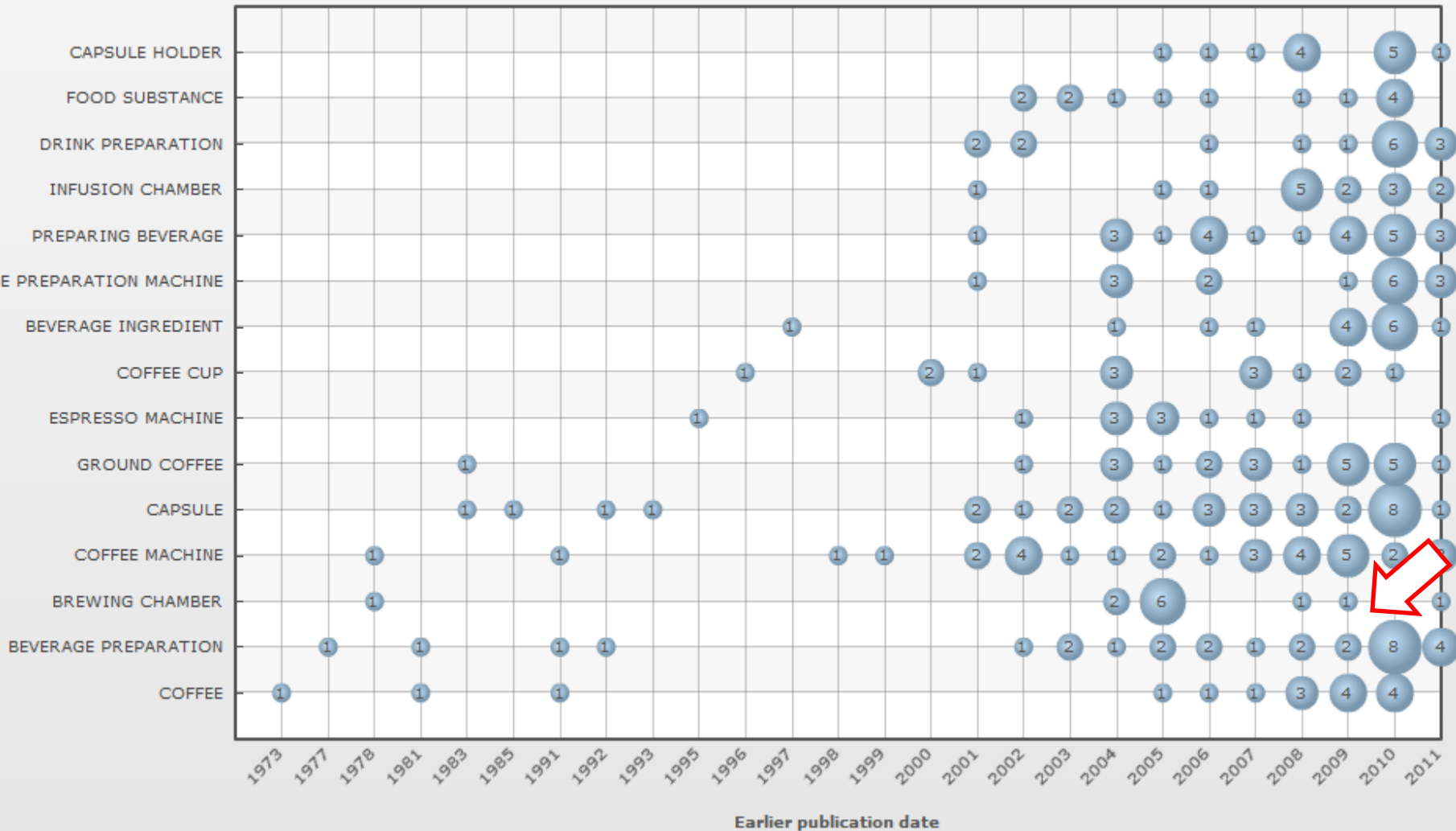


Treemap for top concepts




Concepts / Time

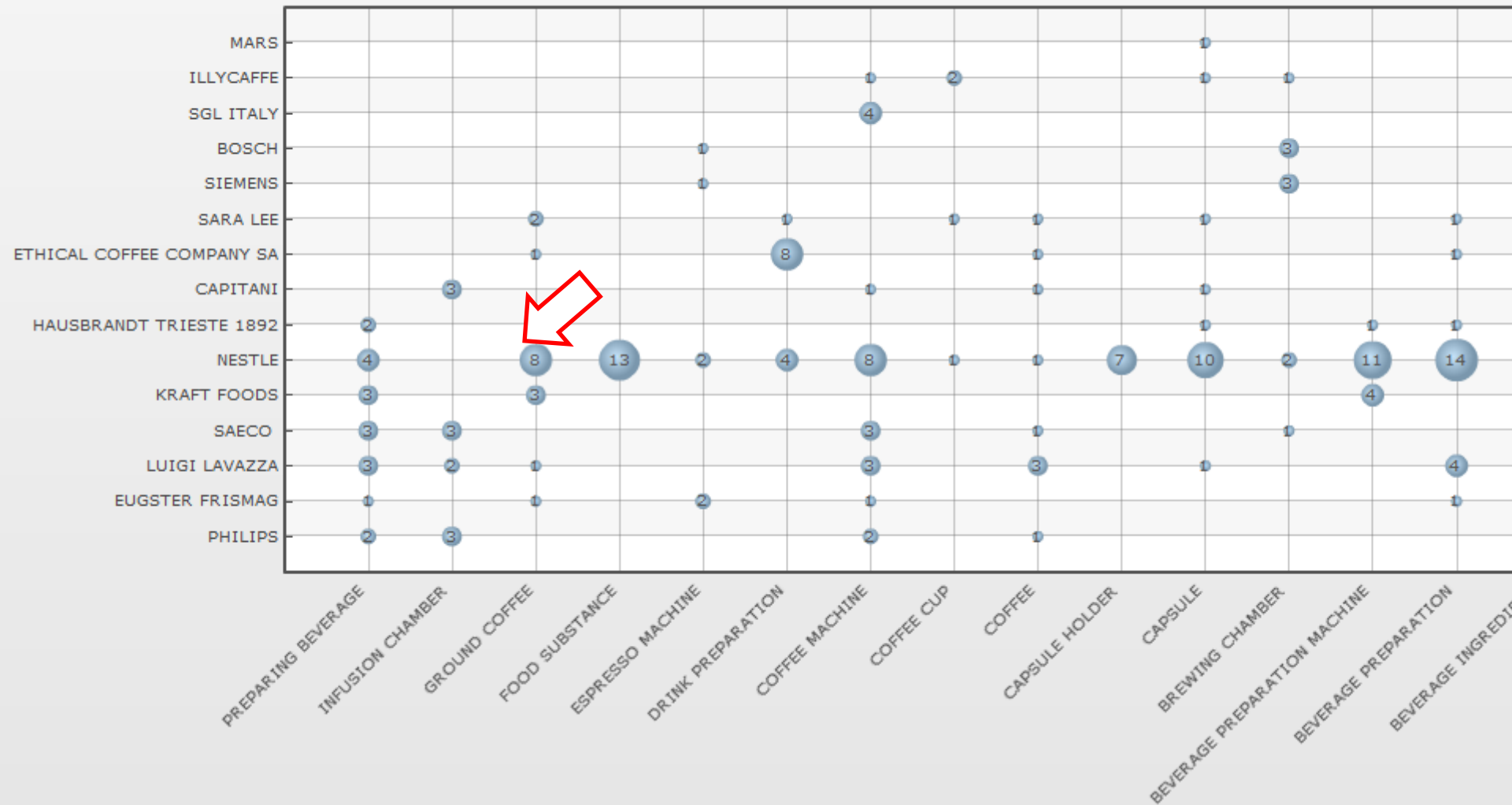
Top 15 concept ⓘ



Assignee / Concept / Bubble

((capsule?)/BI/SA AND (coffee)/BI/SA)


Bubble graph for Assignees/Concepts 

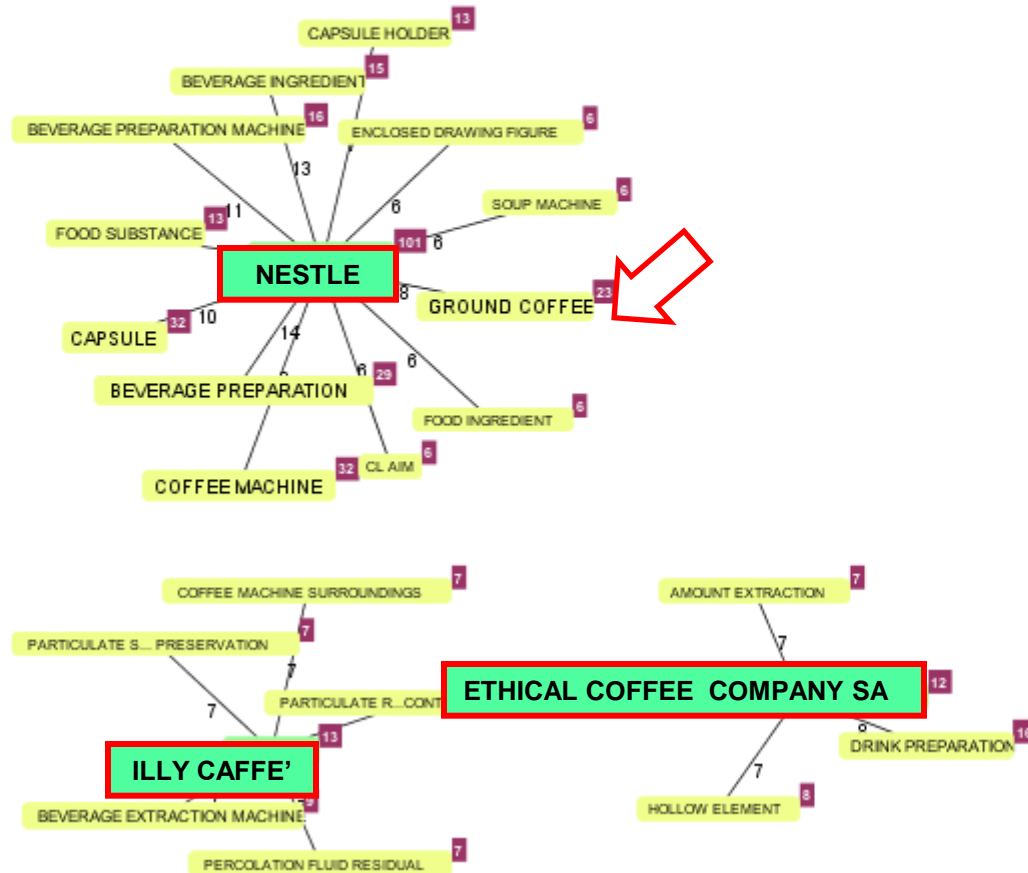
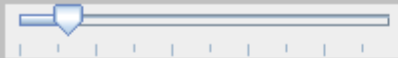


Network graph for Assignees/Concepts

((capsule?)/BI/SA AND (coffee)/BI/SA)

Network graph for Assignees/Concepts 

Top 20 



Network graph for Assignees/IPC

((capsule?)/BI/SA AND (coffee)/BI/SA)

Network graph for Assignees/IPC

Top 20

Zoom

Cocurrences 9

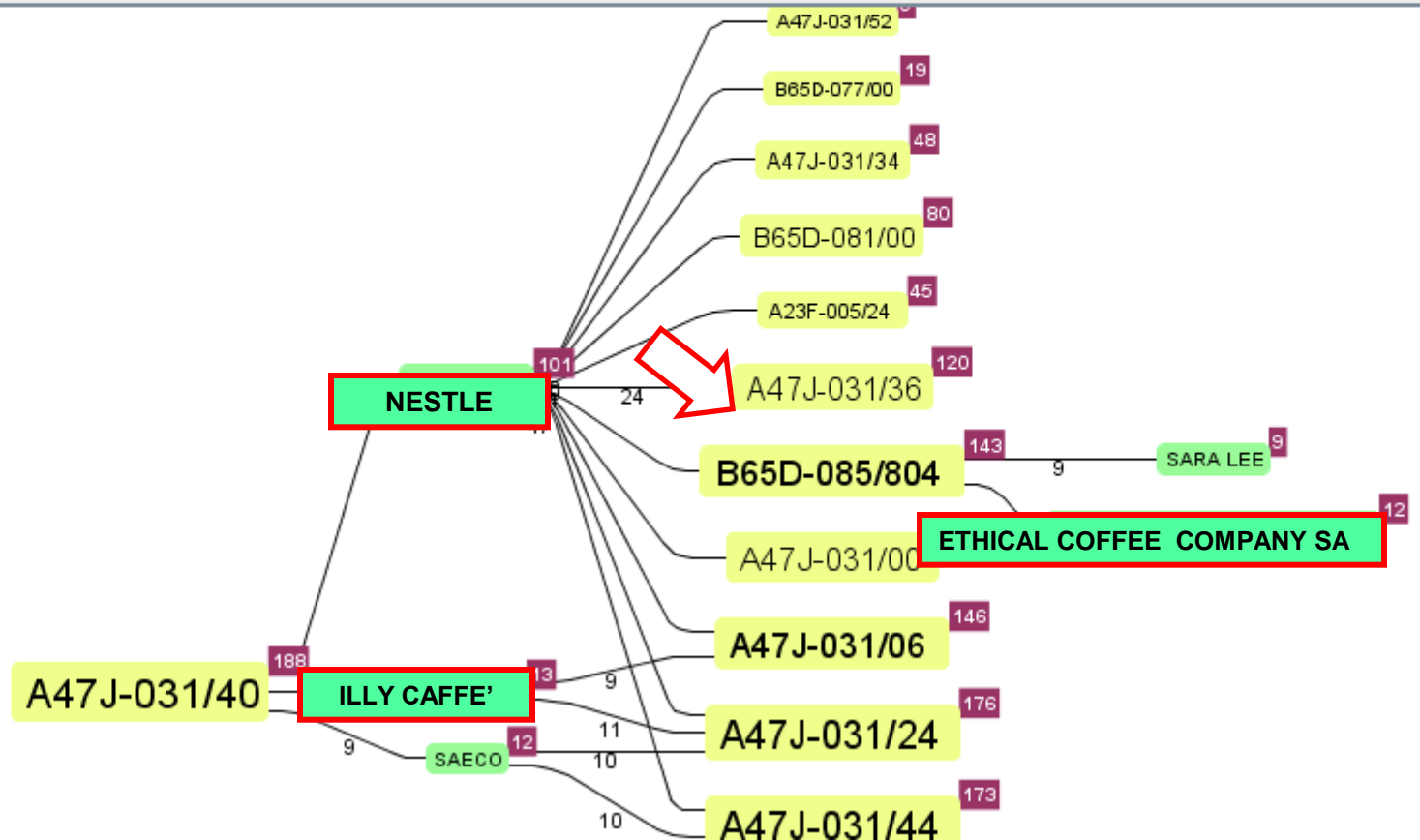
Min

Occurrences 1

Min

Duration 34 years

End date 2011



Concept administration

((capsule?)/BI/SA AND (coffee)/BI/SA)

Concepts administration

Filters: * ▼ or containing Top 50 ▼ Sort by: Name ▼

Action: [\[Grouping\]](#) | [\[Ungroup\]](#) | [\[Exclude\]](#) | [\[Keep\]](#) Selected concepts [\[Exclude All\]](#) | [\[Include All\]](#)

<input type="checkbox"/> Select All	
<input checked="" type="checkbox"/> ACTUATING MEAN	10
<input type="checkbox"/> ACTUATING MEAN RENEWED ACTIVATION	1
<input type="checkbox"/> ACTUATING MEAN STOPPAGE	1
<input type="checkbox"/> ACTUATING MOTOR	1
<input type="checkbox"/> ACTUATING SOLENOID	1

Concept hidden

((capsule?)/BI/SA AND (coffee)/BI/SA)


Concepts administration

Filters: * ▼ or containing Top 50 ▼ Sort by: Name ▼


Action: [\[Grouping\]](#) | [\[Ungroup\]](#) | [\[Exclude\]](#) | [\[Keep\]](#) Selected concepts [\[Exclude All\]](#) | [\[Include All\]](#)

<input type="checkbox"/> Select All	
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<input type="checkbox"/> ACTUATING MEAN STOPPAGE	1
<input type="checkbox"/> ACTUATING MOTOR	1
<input type="checkbox"/> ACTUATING SOLENOID	1

Tag cloud for top concepts

Documents Assignees Inventors Agent Technologies Data crossing Mapping (beta) Graphic size: 1000px 

((capsule?)/BI/SA AND (coffee)/BI/SA)

Tag cloud for top 50 concepts(584 Documents) 

Top 50 

Max Occ. Max Year Duration



ACTUATING MEAN | AMOUNT EXTRACTION | BEVERAGE | BEVERAGE DISPENSING MACHINE | BEVERAGE EXTRACTION MACHINE | BEVERAGE INGREDIENT | BEVERAGE MACHIN
BEVERAGE PREDETERMINED QUANTITY | **BEVERAGE PREPARATION** | BEVERAGE PREPARATION MACHINE | BREWING CHAMBER | BREWING COFFE
CAPSULE | CAPSULE HOLDER | CAPSULE INTERIOR | CARTRIDGE | CARTRIDGE HOLDER | **COFFEE** | COFFEE BEVERAGE | COFFEE CAPSULE | COFFEE CU
COFFEE INFUSION | **COFFEE MACHINE** | COFFEE MACHINE SURROUNDINGS | COFFEE MAKER | COFFEE POWDER | DRINK PREPARATION | ESPRES
COFFEE MACHINE | ESPRESSO MACHINE | EXTRACTED BEVERAGE | FILTERING MEAN | FOOD INGREDIENT | FOOD SUBSTANCE | **GROUND COFFEE** | HOLLOW ELEMEN
HOT BEVERAGE | INFUSION CHAMBER | INSTANT COFFEE | MAKING BEVERAGE | MILK POWDER | PARTICULATE REDUCING CONTAMINATION | PARTICULATE SUBSTANCE KIM
PARTICULATE SUBSTANCE PRESERVATION | PERCOLATING FLUID SUBSTANCE | PERCOLATION FLUID RESIDUAL | PERFORATING MEAN | POWDERED MILK | **PREPARIN**
BEVERAGE | RECEPTACLE | SOUP MACHINE |

Tag cloud for top concepts


((capsule?)/BI/SA AND (coffee)/BI/SA)

Tag cloud for top 50 concepts(584 Documents) ⓘ

Top 50 ▾

Max Occ. Max Year Duration


OK

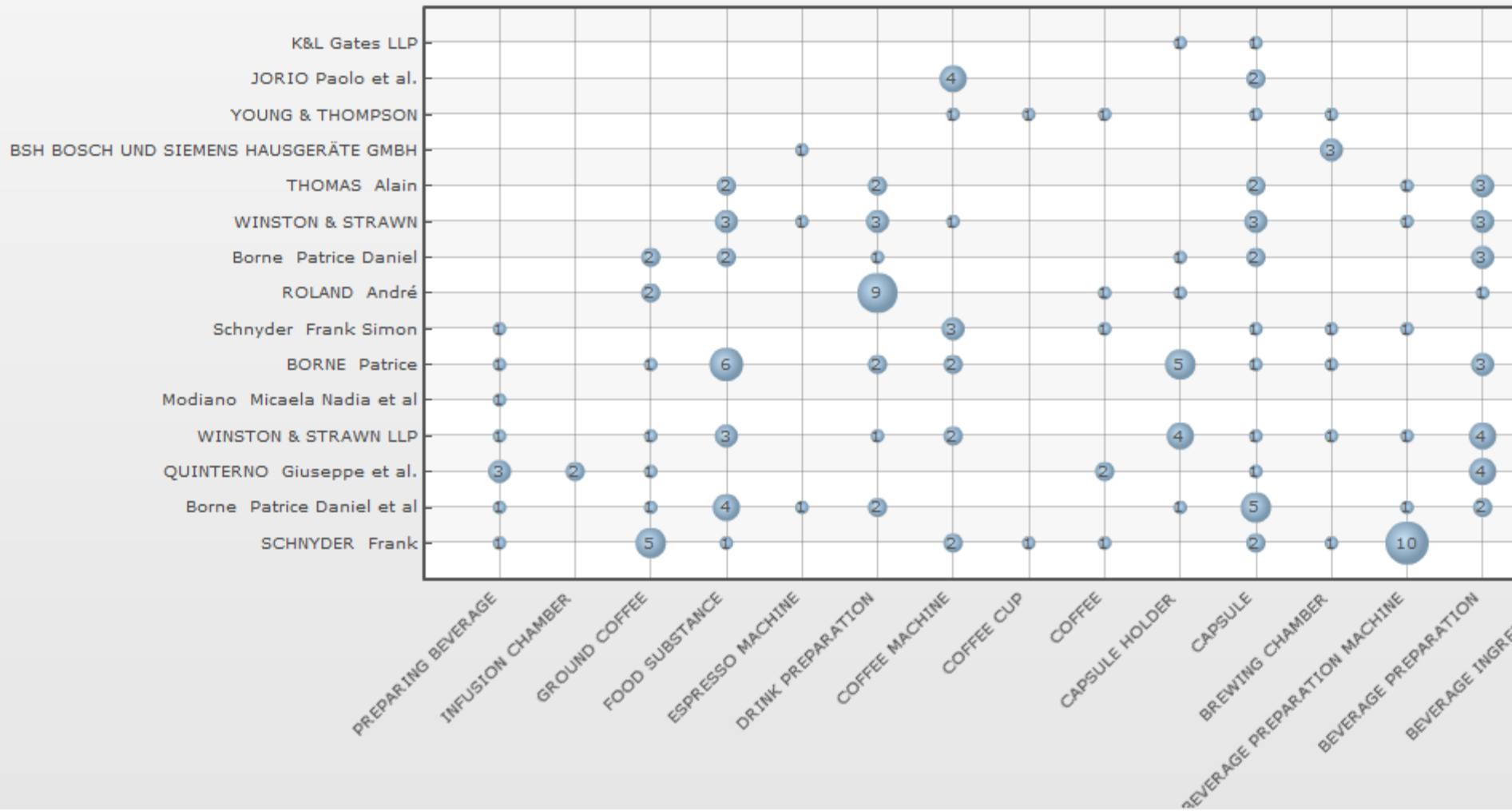


AMOUNT EXTRACTION | BEVERAGE | BEVERAGE DISPENSING MACHINE | BEVERAGE EXTRACTION MACHINE | BEVERAGE INGREDIENT | BEVERAGE MACHINE | BEVERAGE
PREDETERMINED QUANTITY | **BEVERAGE PREPARATION** | BEVERAGE PREPARATION MACHINE | BREWING CHAMBER | BREWING COFFEE |
CAPSULE | CAPSULE HOLDER | CAPSULE INTERIOR | CARTRIDGE | CARTRIDGE HOLDER | **COFFEE** | COFFEE BEVERAGE | COFFEE CAPSULE | COFFEE CUP |
COFFEE INFUSION | **COFFEE MACHINE** | COFFEE MACHINE SURROUNDINGS | COFFEE MAKER | COFFEE POWDER | DRINK PREPARATION | ESPRESSO
COFFEE MACHINE | ESPRESSO MACHINE | EXTRACTED BEVERAGE | FILTERING MEAN | FLUID COMMUNICATION | FOOD INGREDIENT | FOOD SUBSTANCE | **GROUND**
COFFEE | HOLLOW ELEMENT | HOT BEVERAGE | INFUSION CHAMBER | INSTANT COFFEE | MAKING BEVERAGE | MILK POWDER | PARTICULATE REDUCING CONTAMINATION |
PARTICULATE SUBSTANCE KIND | PARTICULATE SUBSTANCE PRESERVATION | PERCOLATING FLUID SUBSTANCE | PERCOLATION FLUID RESIDUAL | PERFORATING MEAN | POWDERED MILK |
PREPARING BEVERAGE | RECEPTACLE | SOUP MACHINE |

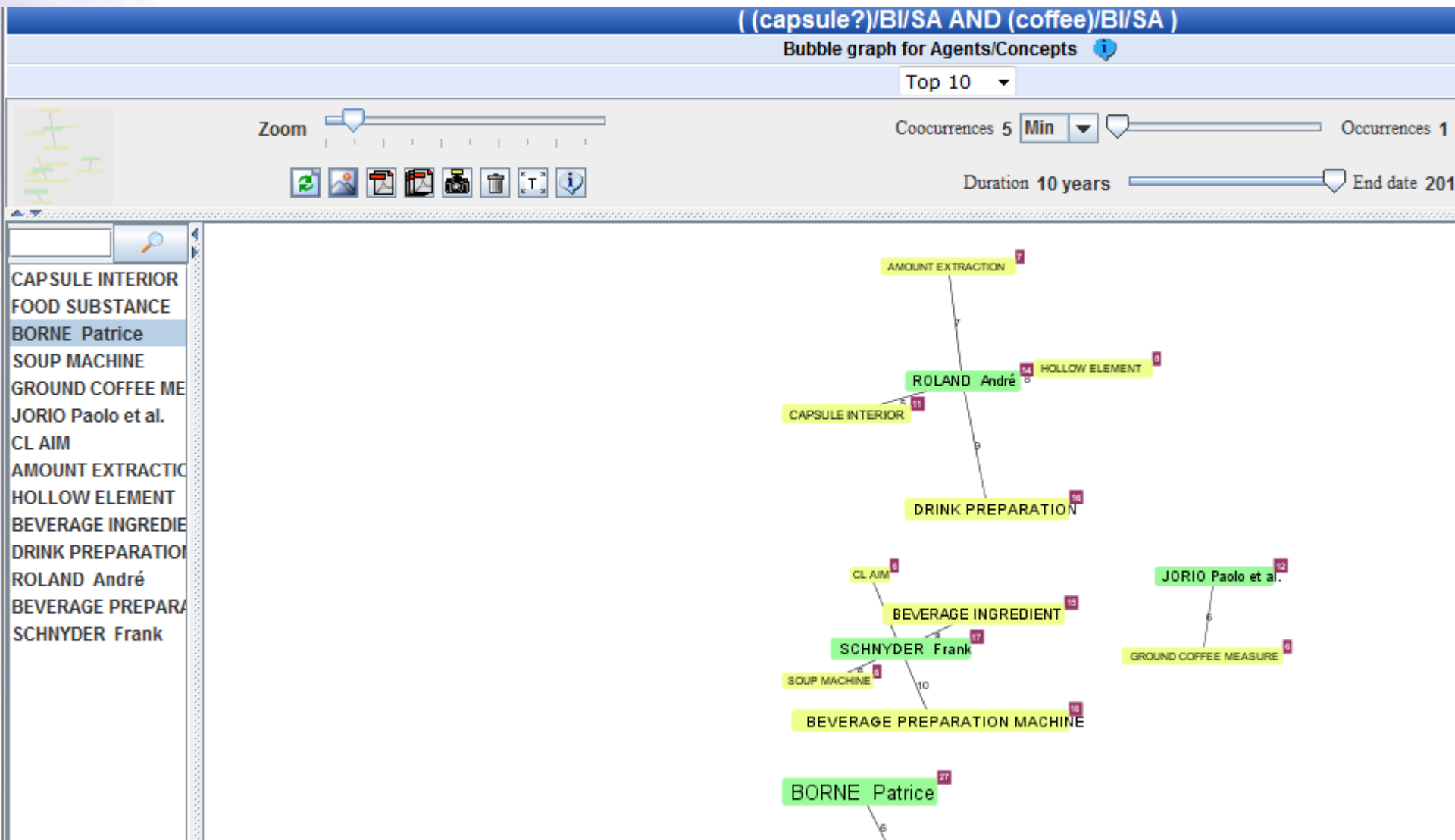
Agent / Concepts

((capsule?)/BI/SA AND (coffee)/BI/SA)

Bubble graph for Agents/Concepts 



Agent / Concepts



Analysis list

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My Session

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Previous Analysis

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Quicklist (0)

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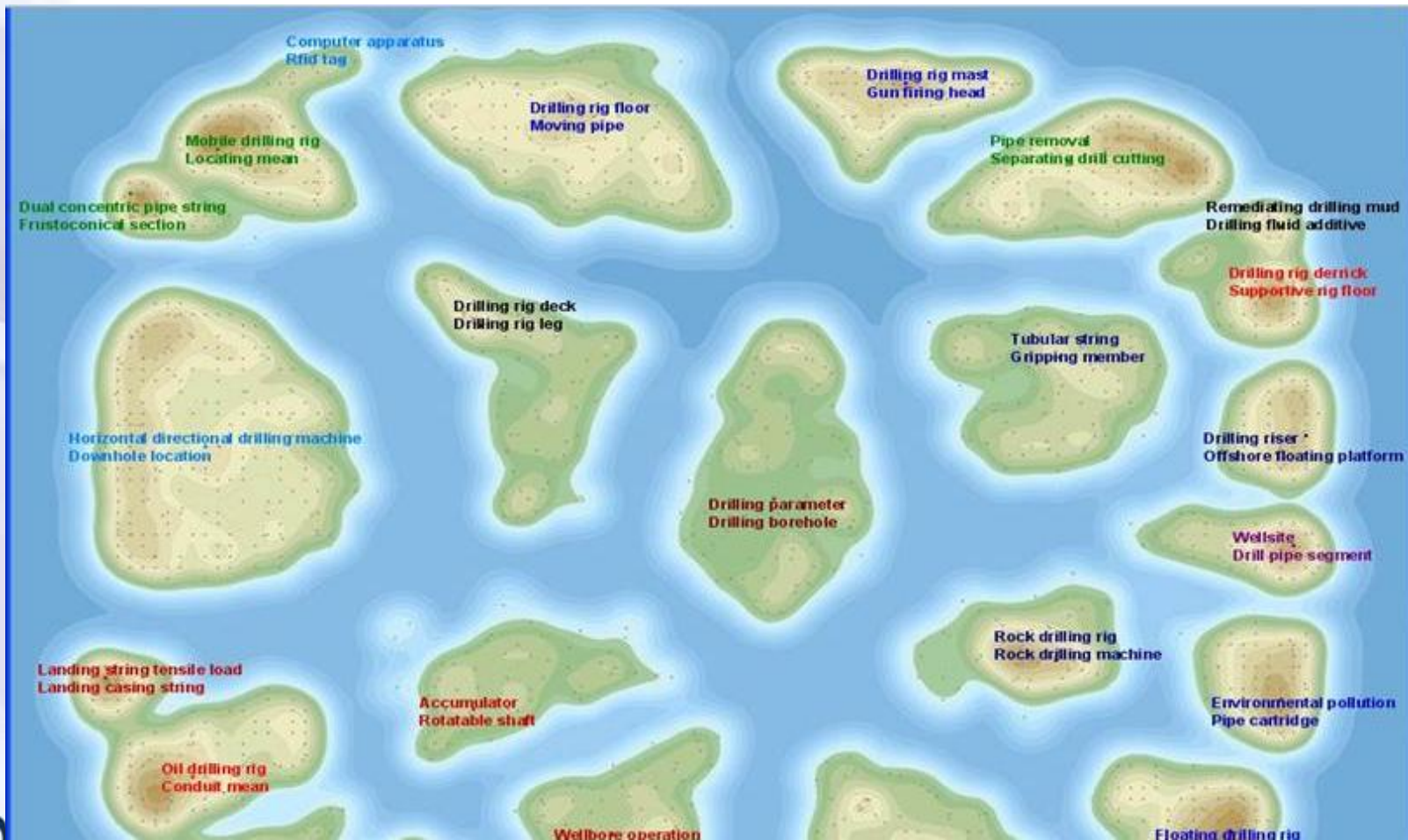
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INTELLIX

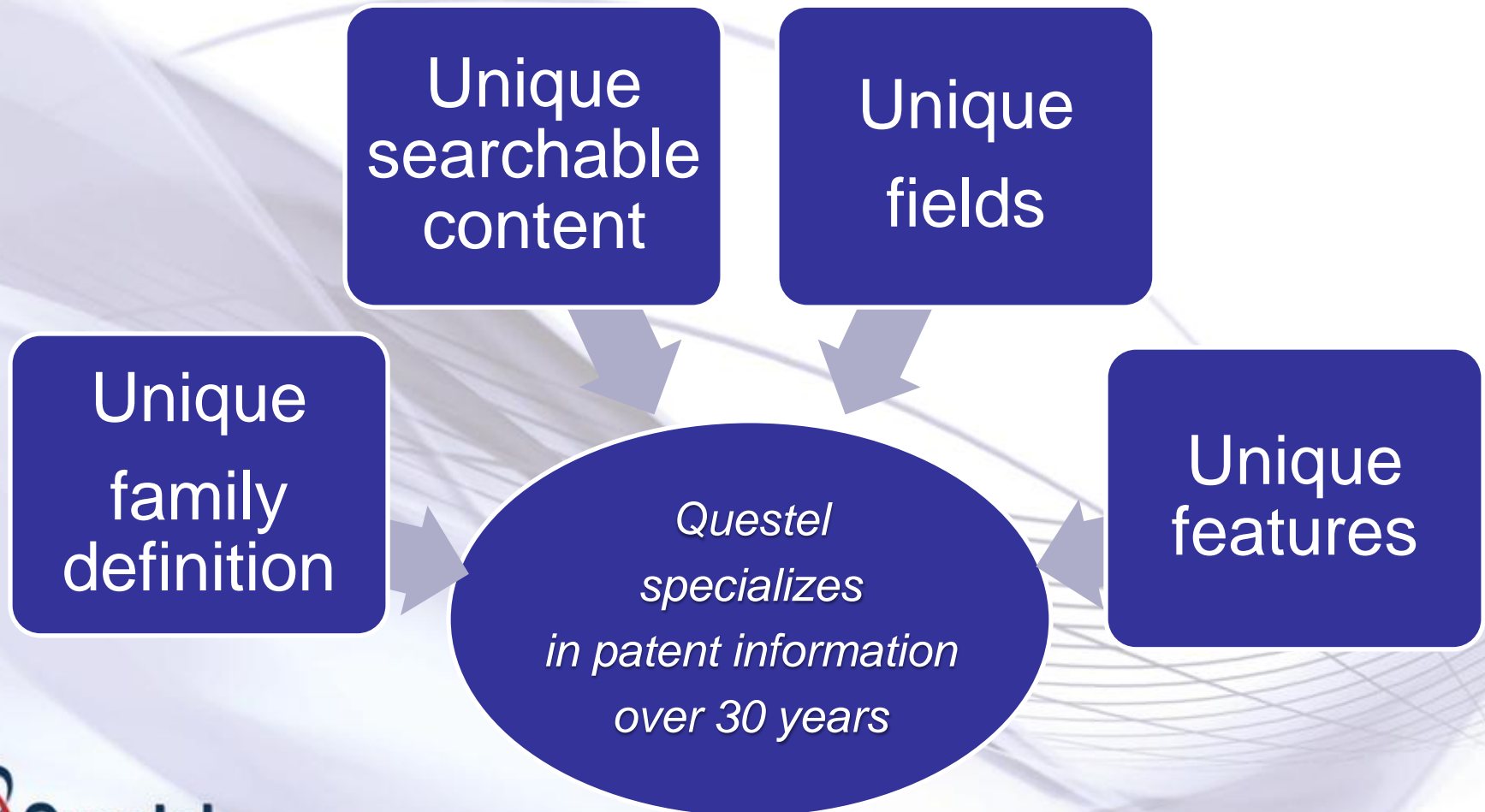
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((CAPSULE?) AND (COFFEE OR TEA))	24/02/2011 16:42:00	On line	[Goto analysis] [Rename] [Delete]
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Future developments



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