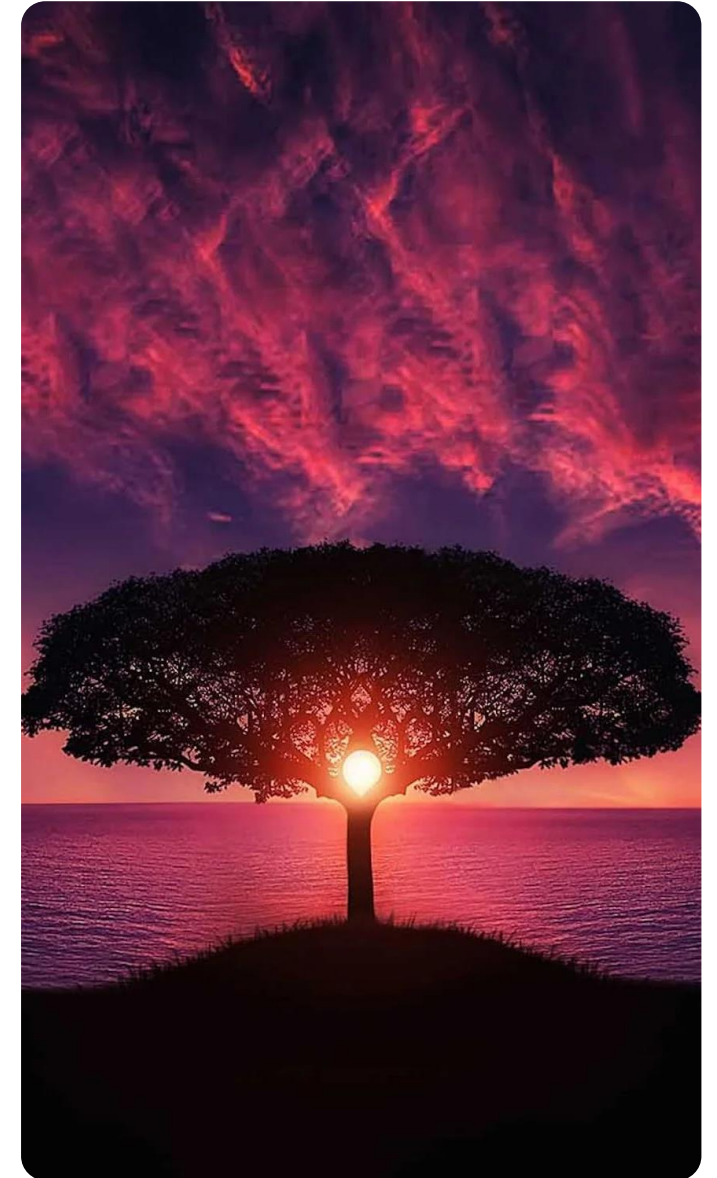


WELCOME TO THE NEW AGE OF ORBIT INTELLIGENCE...

**Please meet our
Orbit Intelligence New Generation (NG)**



Everything you need to know about Orbit Intelligence NG in a nutshell

- **NEW SEARCH ENGINE** : faster (10x in average and up to 100x) , AI compliant, capable of handling a higher patent load, same querying language
- **NEW UPDATES** : updates for patent families several times per week.
- **NEW FEATURES** :
 - Imagelink
 - New Chemistry Tab
 - New History feature
- **OTHER MAJOR CHANGES** :
 - New classification search possibilities
 - Improved highlight
 - More structured fields : ACT, litigation, opposition,,,
 - Left truncations usage broaden
 - Representative member for exports, citations, number search...
 - A few operators / commands have disappeared : SDOC, OWR, NOTL, ..LIM, .FLD but workarounds are available most of the time.
 - Custom option of exports has disappeared.
- **OTHER MINOR CHANGES** : contact help@questel.com or your KAM or SMEs if you notice any changes.

NEW HISTORY

- The new history feature keep 8 days of works with an unlimited number of statements per day.
- When a past statement is used by a recent statement, the past one is kept until the recent one is part of the 8 days of activities, stored in a "dependencies" section".
- Steps renumbered every day on connection
- Steps grouped per day
- No longer limited to 200 steps

Save entire strategy Create a script Export

BETA ES

Menu Explorer

Patent family searches (FamPat) Patent searches (FullPat) Publication searches (Full text)

Expand all Collapse All

Day -5 will be deleted at the next connection day Delete All

Search Step	Result(s)	Query	Assistant	Source	Action
27	25000	"MEM _INTERNAL_LIVE_ANALYSIS /FAN	Advanced search	FAMPAT	
26	20000	"MEM _INTERNAL_LIVE_ANALYSIS /FAN	Advanced search	FAMPAT	
25	975	(HIFU)/TI/AB/CLMS	Advanced search	FAMPAT	
24	29946	SPA/BNT="HENKEL AG & CO. KGAA-46237"	Advanced search	FAMPAT	
23	277	((FACIAL OR IRIS)/TI AND (RECOGNI+)/TI) AND EPD =2018-09-2022-09 AND US/PN	Command Line	FAMPAT	
DAY -5 2023-11-30					4 steps
22	23864	(CHAPEAU)/TI/AB/CLMS	Advanced search	FAMPAT	
21	30000	"MEM _INTERNAL_LIVE_ANALYSIS /FAN	Advanced search	FAMPAT	
20	40240	SPA/BNT="PROCTER & GAMBLE CO-12880"	Advanced search	FAMPAT	
19	23865	(CHAPEAU)/TI/AB/CLMS	Advanced search	FAMPAT	
DAY -6 2023-11-29					4 steps
18	365046	(USB)/TI/AB/CLMS	Advanced search	FAMPAT	
17	1242	HIFU/BI/SA/IN/PA	Easy search	FAMPAT	

Searches

- Easy search
- Advanced search
- Semantic search
- Number search
- Biosequence search

My session

- Search history
- Search results

Past sessions

- Previous history

My searches

- My saved searches
- My alerts

My recent lists

- 2delete
- Autonomous vehicle (167
- RecyPlaTT 18-19

WHAT ELSE HAS BEEN MODIFIED?

MODIFICATION	DESCRIPTION	ADVANTAGES
OPERATORS / TRUNCATIONS		
Operator S	max distance is 198 words	Avoid searching in « boiler plates » sentences
S operator to combine inventor address subfields, or assignee address, or REAS Subfields, or Representative address, or LIC SEC REAS subfields	Use S instead of P	Fields have been better structured , so S can now be used.
Left truncations now available for assignees, inventors, representatives, business entities		Easier to search
Hyphen search “-” improved	Hyphen is replaced with w in the search	Easier for chemistry searches without the add on
FIELDS		
/TI /AB /CLMS /DESC	single index for searching those fields in all languages : all languages are now in the same index	Easier to search and to display
/ETI /EAB /ECLM : to search in Latin language only	New fields to search in latin languages	
Improved field structures for date search Examples of concerned fields: reassignment date, license date, security interest date	Ex: TO/REAS=2006 ASOF/REAS=2004 FROM/REAS=2006-08-15	Easier to search

WHAT ELSE HAS BEEN MODIFIED? (bis)

MODIFICATION	ADVANTAGES
LEGAL STATUS	
Protected countries displayed in member view	
Country code can be searched directly in the field PTCC	(FR OR DE OR GB)/PTCC Easier to search
ANALYSIS	
Analysis runs asynchrone from 500 docs (not 1000 anymore)	
Analysis limited to a selection of documents <80 000	When selecting documents, no more than 80 000 can be analyzed. If more needed, do not select
Top Assignees performed on FPAN instead of NPAN	More accurate
TOP analysis limited to 80 000 doc	

WHAT HAS BEEN MODIFIED?

MODIFICATION	ADVANTAGES
MISCELLANEOUS	
Enhanced number search : for publication or application number search, the patent number displayed in the hitlist is the publication number of the number searched for priority number search the patent number displayed in the hitlist is that of the representative member	Better and more accurate results
KWIC tab : Abstract fully displayed	
Main classification codes (IPC / CPC) for each member are marked with * in family view	
Add to list limited to 30 000	More documents can be added in one go
/IPC /CPC search only in current classifications	More accurate results – don't forget to add /ICH for searching in all fields'
'Terms not found' message in hitlist	Tooltip was not clear; no more confusion

CONCEPTS

Concepts are also now displayed at member view

The screenshot displays a patent database interface. The main content area shows the details for patent US20230025409 A1, titled "Methods and systems for redox flow battery electrolyte hydration". The abstract describes methods and systems for transporting and hydrating a redox flow battery system with a portable field hydration system. The interface includes a sidebar on the left with a family view, a main content area with abstract and publication details, and a right sidebar with a list of concepts.

Family view - 7 / 17822

- US20230115109 A1
- US20230025409 A1**
- PCT 802018/201061 A1
- AU2023270277 A1
- AU2018256887 B2
- AU2018256887 A1
- EP3590145 A4
- EP3590145 A1
- US11594750 B2
- US20180200036 A1

Methods and systems for redox flow battery electrolyte hydration

Protected countries
Pending US

List of publications
US20230025409 A1 - Application published 2023-01-25

Abstract
Methods and systems are provided for transporting and hydrating a redox flow battery system with a portable field hydration system. In one example, the redox flow battery system may be hydrated with the portable field hydration system in a dry state. In the absence of liquids, in this way, a redox flow battery system may be assembled and transported from a battery manufacturing facility to an end-use location off-site while the redox flow battery system is in the dry state, thereby reducing shipping costs, design complexities, as well as logistical and environmental concerns.

Application Language ENGLISH (ENG)

Inventors
SONG YANQ
FISHER KENNETH KYOSEN
MCDONALD TIMOTHY

Applicant/Assignee EBS TECHNOLOGY, L.P.

Applicant/Assignee Address EBS TECH, INC., WILSONVILLE, OR, US

Patent Assignee History EBS TECH, INC. (US)

Concepts

- AVAILABLE VOLUME (BANK) BATTERY CHARGE (BATTERY MANUFACTURING FACILITY)
- BYPASS VALVE (CHARGE CAPACITY) CHARGING CURRENT (CONDUCTIVITY
- SENSOR (CURRENT APPLICATION) DESIGN COMPLEXITY (DEVIATION (DIRECTING WATER
- DIVERTER VALVE (DRY ELECTROLYTE) DRY ELECTROLYTE PRECURSOR
- DRY ELECTROLYTE PRECURSOR HYDRATION (ELECTROACTIVE MATERIAL) ELECTROLYTE
- ELECTROLYTE CHAMBER, ELECTROLYTE
- HYDRATION (ELECTROLYTE RECIRCULATION PUMP) (ELECTROLYTE TOTAL
- VOLUME (ENVIRONMENTAL CONCERN) EXECUTABLE INSTRUCTION (HYBRID
- BATTERY (HYDRATED REDOX FLOW BATTERY (LIQUID SOLVENT) MANUFACTURING TOLERANCE
- (MULTICHAMBERED ELECTROLYTE STORAGE TANK) NEGATIVE ELECTROLYTE
- CHAMBER (NEGATIVE PERMEAL (NONTRANSISTORY MEMORY) OPEN BYPASS VALVE
- (PLATING) POSITIVE ELECTROLYTE CHAMBER (REDOX BATTERY) REDOX
- FLOW BATTERY (REDOX FLOW BATTERY CELL) STOPPING
- THRESHOLD CONDUCTION (TOTAL VOLUME) WATER CONDUCTION (WATER
- SUPPLY (WATER SUPPLY PUMP)

HIGHLIGHTING

Highlight keeps all terms after combination (if no persistent highlighting)

The screenshot shows the 'Patent families (FamPat) - 3 results' interface. The search results table lists three patents:

#	Title	Publication number	1st app. date	Applicant/Assignee	Family grouping	Display
1	Mobile Phone for preventing theft of the transmission signal generation method	KR1991-0010965	1989-11-29	HYUNDAI ELECTRONICS	100 %	
2	Brainwave induced signal generation circuit in a mobile phone	KR20-0242852	2001-06			
3	Emergency signal generation method using mobile phone earphone terminal	KR10-1520768	2013-12			

The 'Highlight Wizard' dialog box is open, showing the 'Highlight' tab. It contains the text: 'Fill in the form to highlight specific terms.' Below this, there is a 'My profiles' dropdown menu set to 'Current'. A text input field contains the terms 'mobilephone, mobile, phone, signal generation'. A checkbox labeled 'Add another highlight color' is checked.

Highlights takes underscore search into account

The screenshot shows the 'Patent families (FamPat) - 3 results' interface. The search results table lists three patents:

#	Title	Publication number	1st app. date	Applicant/Assignee	Family grouping	Display
10	Changing access frequency device for measuring actual performance lifespans of batteries of mobile phone and other mobile apparatuses and application thereof	KR10-2022-0042567	2020-06			
11	Mobile phone temperature measurement system and method	CN102624955	2012-01			
12	Output case for shielding electromagnetic waves of mobile phone	KR10-0371847	2000-11-04		57 %	

The 'Highlight Wizard' dialog box is open, showing the 'Highlight' tab. It contains the text: 'Fill in the form to highlight specific terms.' Below this, there is a 'My profiles' dropdown menu set to 'Current'. A text input field contains the terms 'mobile_phone'. A checkbox labeled 'Add another highlight color' is checked.

NEW FIELDS OR SUBFIELDS

NEW FIELDS / SUBFIELDS:	Description	Command line example
/BSUM /CASE /DRWG /GI	Were present in USPAT/USAPPS , are now present in FAMPAT and FULLPAT for the corresponding US documents. Brief summary / Parent case / Drawings / Government interest	Keyword/BSUM DRWG=YES GI=YES
CLASSIFICATION SEARCH		
/IPC.STRICT :	for searching exact IPC codes and not the « descendant » ones	A61K/IPC.STRICT
/CPC.STRICT :	for searching exact CPC codes and not the « descendant » ones	B60R-025/01 /CPC.STRICT
/FI.STRICT:	for searching exact FI codes and not the « descendant » ones	A01N57/32/FI.STRICT

WHAT HAS DISAPPEARED?

FIELD	WORKAROUND
/OWR Field (owner)	use /REAS /PA/NPA – all OWR data are now in REAS and PA
Operator P for subfield CC/PTCC and STATUS/PTCC	Use the following query : e.g. (PC/ACT=US or CC/ACT=US) P STATUS/ACT=PENDING
Operator F not yet implemented	Use AND
Operators NOTL, SDOC , =nD, =nW	NOTL replaced by NOTP Use AND to replace SDOC in Publication collection or Fullpat. Use nD or nW
.FLD (to search in the fields not in the index)	Not needed anymore as not really used : use the normal field /PA.FLD => /PA
..LIM	Use the different available filters or add an additional step that you can combine in the search history.
..UP	Use the different available filters
'Custom' field in exports using syntax	All fields will be made selectable from the list of available fields
/ IW Field (English Index Words for FR publications only)	Use the field KEYW

WHAT IS NOT YET IMPLEMENTED BUT COMING SOON

Assistants in the Advanced search :

- Classification wizards,
- Assignee in the database,
- Inventor wizard,
- Representative wizard

Fampat analysis : Graphs with data combined at patent level are not yet implemented

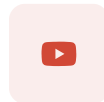
Publication collection :

- Select authorities in the popup Multi base selection doesn't work.
- Searches are performed in the entire database

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Innovation, Legal Operations and Localization Management.