

# — ИНТЕЛЛЕКТУАЛЬНЫЙ ПОИСК И ПАТЕНТНЫЕ ЛАНДШАФТЫ НА ПЛАТФОРМЕ THOMSON INNOVATION

ВИКТОР ЖУКОВ  
РУКОВОДИТЕЛЬ ПРАКТИКИ  
ИНТЕЛЛЕКТУАЛЬНАЯ  
СОБСТВЕННОСТЬ  
12 ОКТЯБРЯ 2016



**Clarivate  
Analytics**

Formerly the IP & Science  
business of Thomson Reuters

— CLARIVATE ANALYTICS  
**КТО МЫ?**

**Clarivate**  
Analytics

Formerly the IP & Science  
business of Thomson Reuters

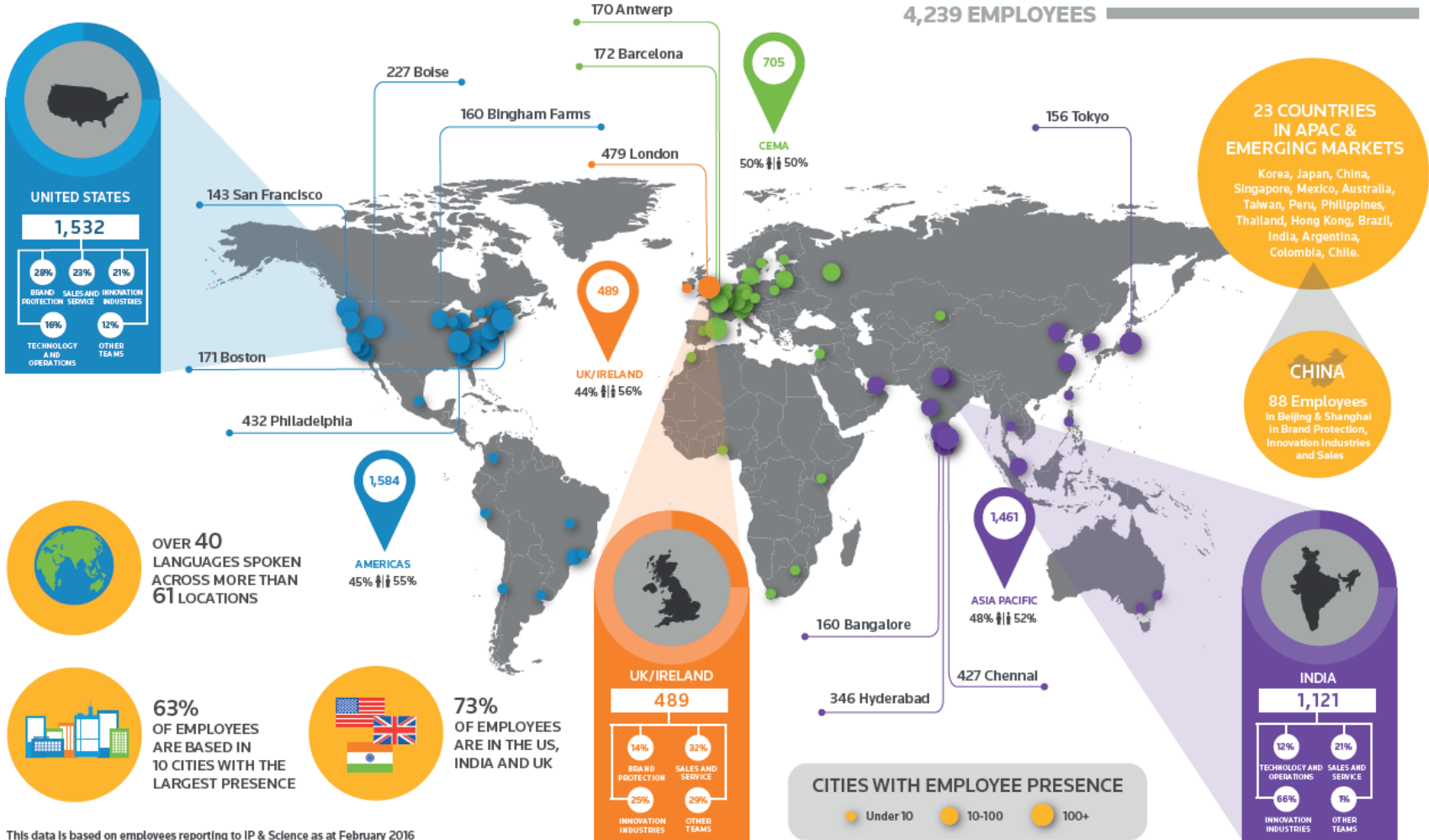
# \$3,55B

**Clarivate Analytics** — это новое имя подразделения по интеллектуальной собственности и науке **Thomson Reuters**, ставшего отдельной компанией

---

# НАША НОВАЯ КОМПАНИЯ

4,239 EMPLOYEES



This data is based on employees reporting to IP & Science as at February 2016

# 800+

человек работают над **DWPI, Derwent World Patent Index** – единственной создаваемой вручную базой расширенной патентной информации

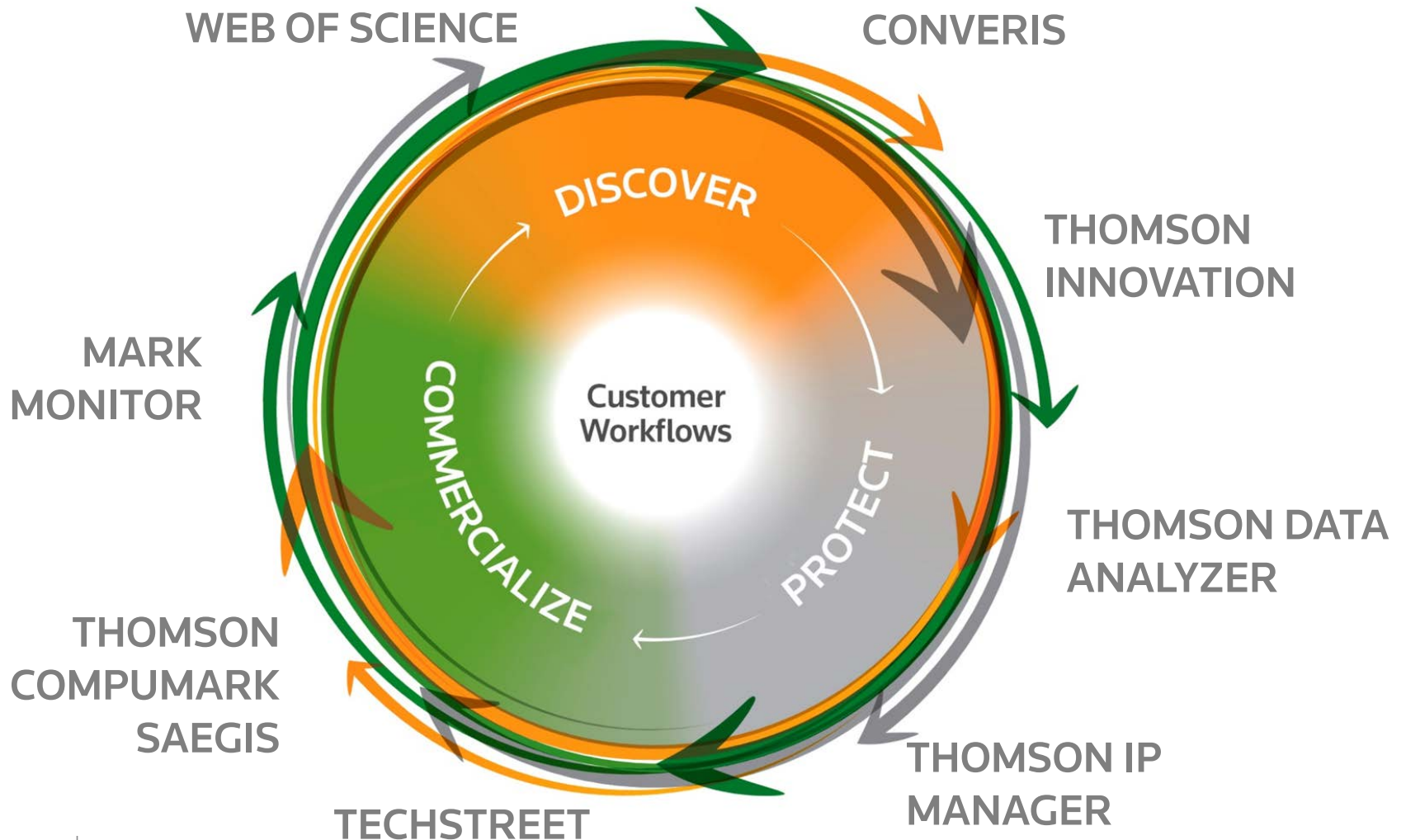
---

# #599

Объем публикаций в базе **Web of Science** упомянут в одном из Майских указов Президента РФ как ключевой показатель активности российских ученых

---

# CLARIVATE – КОМПАНИЯ ИННОВАЦИЙ



# — ЗАЧЕМ ИСКАТЬ И АНАЛИЗИРОВАТЬ ПАТЕНТНУЮ ИНФОРМАЦИЮ?





# ОТ ПАТЕНТА ДО ВНЕДРЕНИЯ

TABLE 1. AVERAGE TIME-TO-MARKET BY TECHNOLOGY

Technology	Average Time-to-Market
Financial products	Weeks to months <sup>220</sup>
Insurance products	3 to 12 months <sup>221</sup>
Consumer products	3 to 13 months <sup>222</sup>
Food & beverages	9 to 13 months <sup>223</sup>
Software	5 to 14 months <sup>224</sup>
Semiconductors	11 to 26 months <sup>225</sup>
In vitro diagnostics (incremental improvements)	1 to 2 years <sup>226</sup>
Medical devices (incremental improvements)	3 to 5 years <sup>227</sup>
Complicated manufacturing equipment	3 to 5 years <sup>228</sup>
Automobiles	3 to 5 years <sup>229</sup>
Gene-based biomedical research tools	5 years <sup>230</sup>
Solar panels	8 years <sup>231</sup>
Radiopharmaceutical diagnostics	7 to 9 years <sup>232</sup>
In vitro diagnostics (new diagnostic correlation)	7 to 9 years <sup>233</sup>
Agricultural chemicals	9 years <sup>234</sup>
Medical devices (first-in-class)	5 to 10 years <sup>235</sup>
Biotechnology crops	6 to 13 years <sup>236</sup>
Oil & gas drilling	16 years <sup>237</sup>
Pharmaceuticals	12 to 16 years <sup>238</sup>
Fuel cells	7 to 25 years <sup>239</sup>

**Можно ли создать платформу**  
**ПАТЕНТНОГО ПОИСКА**  
**ПАТЕНТНОЙ АНАЛИТИКИ**  
**КОНКУРЕНТНОГО АНАЛИЗА**  
**которая подойдет всем?**



# КАК РАНЬШЕ ВЫГЛЯДЕЛ ПОИСК В ПАТЕНТНОЙ БАЗЕ

**FIELD** **EXPERT** Change collections: [US Grant](#), [AU Innov](#), [CA Grant](#), [DE Grant](#), [US A...](#)

Text Fields	?	(nuclear NEAR2 react*) OR (rod* ADJ fuel)	AND	+ -
..Claims	?	(boil* NEAR2 water) AND (uranium* ADJ dioxid*) AND neutron*	AND	+ -
..Publication Year	?	1996 To 2016	AND	+ -
..DWPI Manual Codes	?	(K05) OR (K05-A03) OR (K06) <a href="#">Browse</a>	OR	+ -
IPC-Any	?	(B29L003120) OR (B63G000808) OR (B63H002118) OR (F01K) OR (G21) OR (G21) <a href="#">Browse</a>	AND	+ -
..Priority Country	?	RU		+ -

[Templates](#)

Make these my defaults

[Clear All Fields](#) [Reset](#) [Search](#)

# ПАТЕНТНАЯ СИСТЕМА ДЛЯ УЧЕНОГО



---

РЕЗУЛЬТАТ



ВЫ

# ТАК БЫТЬ НЕ ДОЛЖНО, РЕШИЛИ МЫ

SMART SEARCH   

# ИНТЕЛЛЕКТУАЛЬНЫЙ ПОИСК

---

## Поиск с помощью языка запросов

*Требует опыта и ручной настройки для достижения хорошего результата*

*Ранжирование по частоте упоминания*

*В результаты попадает только точное вхождение*

*Стратегии: дополнительные термины, сленг, синонимы, «дерево» термина, операторы логики/ близости, замена символов*

### *Пример запроса:*

*(((dry OR granul\* OR dried) SAME ((cat OR kitten\* OR cats OR feline\*) NEAR5 food)) OR ((cat or cats or feline\* or kitten\*) NEAR5 kibble\*)) OR ((cat or kitten\* or cats or feline) SAME dry or dried or granul\* or kibble\*))*

## Smart Search

*Алгоритм, учитывающий семантическое (смысловое) ядро термина*

*Ранжирование по релевантности*

*Автоматизация шагов, которые пользователь выполнял бы вручную («лучшие практики»)*

*Используя наш опыт в патентном поиске, «большие данные» и DWPI*

### *Пример запроса:*

*Dry cat food*

# ПОИСК ПО АНАЛОГИИ

The screenshot shows a SpringerOpen article page. The title is "Hybrid Nanomaterials Based on Graphene and Gold Nanoclusters for Efficient Electrocatalytic Reduction of Oxygen". The authors are Changhong Wang, Na Li, Qiannan Wang, and Zhenghua Tang. The article is from Nanoscale Research Letters, Volume 2016, Issue 11, pages 1-32. The abstract is highlighted in blue. The article is available for free access (NANO EXPRESS | OPEN ACCESS). The article has 104 accesses and 4 citations. The article is available for download as a PDF. The article is available for citation. The article is available for sharing on social media. The article is available for updates. The article is available for reprinting.

The screenshot shows the Thomson Innovation Patent Search interface. The search type is "PATENT". The search criteria are "FIELDLED" and "EXPERT". The search criteria are "SmartSearch-Topic" and "Text Fields". The search criteria are "Publication Year" and "Templates". The search criteria are "Make these my defaults". The search criteria are "Clear All Fields", "Reset", and "Search".

Поле Smart Search теперь не ограничено по объему

Preview/edit query

```
SSTO=("RGO" "ORR" "CATALYST" "ELECTROCHEMICAL" "OXYGEN"  
"REDUCTION REACTION" "PT C" "GRAPHENE" "ELECTRODE" "SHAN  
GHAI" "ACTIVITY" "LIGAND" "PVP" "GOLD NANOCCLUSERS" "X RAY"  
"OXIDE" "HYBRID MATERIALS" "CORPORATION" "AUTHOR") AND  
(PY>=(2011) AND PY<=(2016));
```

Smart Search сам определит ключевые слова, проанализировав предоставленный текст



# ТАК МЫ ДЕЛАЛИ ИНФОГРАФИКУ РАНЬШЕ

The screenshot shows the Thomson Innovation interface. On the left, a table of patent records is displayed. A blue arrow points from the table to the 'Create Chart' dialog box. The dialog box has several tabs: Assignee, Inventor, Classifications, Citations, General, and Your Saved Templates. The 'Assignee' tab is selected, showing various chart templates. A second blue arrow points from the 'Edit Chart' panel on the right to the 'Top Assignees' chart at the bottom. The 'Edit Chart' panel includes fields for Title, Top Assignees, and Top IPCs, as well as options for Chart Type (Vertical Bar, 3-D Bar, Horizontal Bar), Visual Options (Solid, Remove Unspecified Items), and sorting options (By Count, Ascending, Descending).

Item	Publication Number	Assignee/Applicant
1	KR2015051931A DWPI Drawing:	Lee Woo Sung Title: Reactor equipment of dispersion insert along with a dispersion inserting
2	EP2862356A1 DWPI Drawing:	THOR ENERGY AS Title: A fuel assembly for a nuclear reactor DWPI Title: Fuel assembly for thermal neutron second axial holes are formed in different
3	EP2525364A1 DWPI Drawing:	AREVA NP Title: Nuclear fuel assembly having varying spacing between fuel rods DWPI Title: Nuclear fuel assembly for boiling water reactor, has bundle of fuel rods arranged in two lattices having no section and uppermost section of assembly, respectively
4	WO2001088227A1 DWPI Drawing:	COMMISSARIAT ENERGIE ATOMIQUE Title: MONOBLOC FUEL ELEMENT AND BOILING WATER AND FAST SPECTRUM NUCLEAR REACTOR USING SUCH ELEMENT DWPI Title: Monobloc fuel element for nuclear reactor is made in shape of linked parallel plates with gaps between
5	JF2000329883A DWPI Drawing:	TOSHIBA CORP Title: FUEL ASSEMBLY FOR FAST REACTOR

**Top Assignees**

Top Assignees

Assignee	Count
HTATCH LTD	60
GEN ELECTRIC	40
GLOBAL NUCLEAR FUEL...	40
TOSHIBA KK	50
HTATCH OF NUCLEAR...	10
THORUM POWER INC	40
TOSHIBA CORP	15
WESTINGHOUSE ELECTRI...	15

# ТЕПЕРЬ ИНФОГРАФИКА - В РЕЗУЛЬТАТАХ ПОИСКА

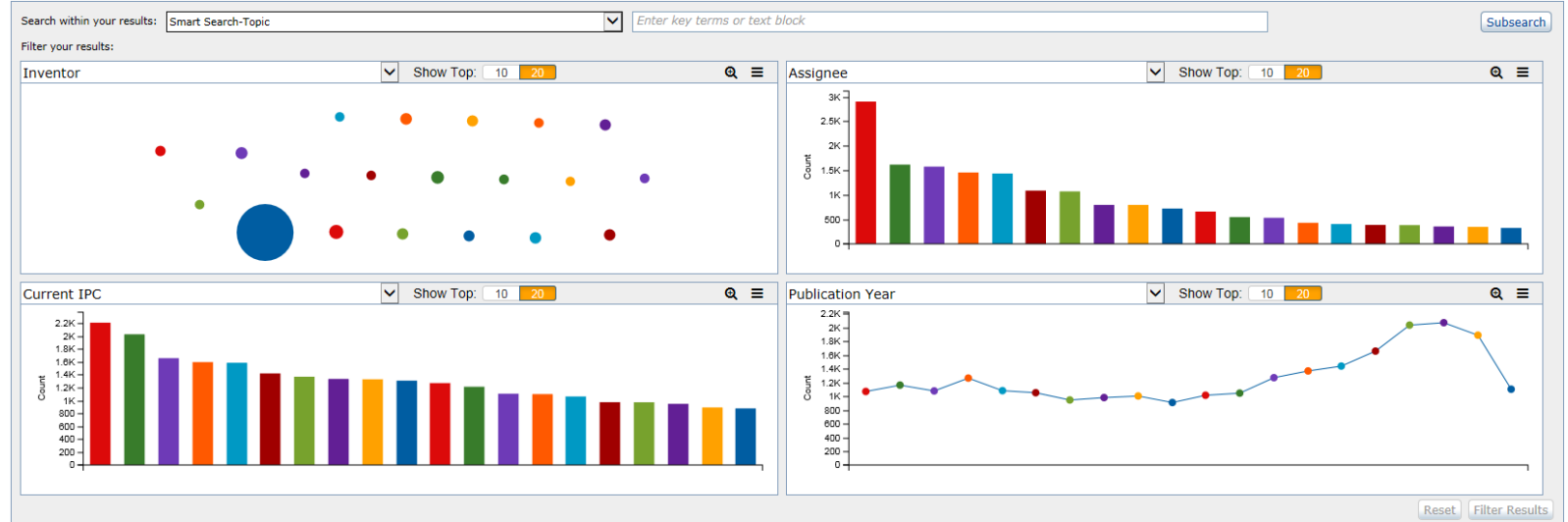
SMART SEARCH

uranium dioxide nuclear reactor fuel



## SEARCH RESULTS

29,062 record(s) found (display limit 60,000) 9849 DWPI families 0 record(s) selected



Displaying 1 - 10 of 9849 Go to page:   Display 10 records per page

<input type="checkbox"/>	<input type="button" value="+"/>	Item	Publication Number	Assignee/Applicant	DWPI Assignee/Applicant	Publication Date	Relevancy	Count of Citing Refs-Patent
<input type="checkbox"/>	<input type="button" value="+"/>		<a href="#">US9431135B2</a> <b>DWPI Drawing:</b>	GLOBAL NUCLEAR FUEL—AMERICAS LLC	GLOBAL NUCLEAR FUEL AMERICAS LLC	2016-08-30	-	0
				<b>Title:</b> Nuclear reactor fluence reduction systems and methods <b>DWPI Title:</b> Core for nuclear reactor, has nuclear fuel assemblies for lacking fluence control structure and interchangeable with fluence controlled nuclear fuel assembly in core body, and set of nuclear fuel assemblies including fissile material				
<input type="checkbox"/>	<input type="button" value="+"/>		<a href="#">US9431134B1</a> <b>DWPI Drawing:</b>	KEPCO NUCLEAR FUEL CO LTD	KEPCO NUCLEAR FUEL CO LTD	2016-08-30	-	0
				<b>Title:</b> Structure of top nozzle for nuclear fuel assembly <b>DWPI Title:</b> Top nozzle assembly for nuclear reactor, has hollow cylindrical outer guiding column with lower external circumference part that includes screw thread, inner insert tube with upper head that includes hump with larger external diameter				
<input type="checkbox"/>	<input type="button" value="-"/>		<a href="#">US9428401B1</a>	US DEPT ENERGY	US DEPT VETERANS AFFAIRS	2016-08-30	-	0

# ПАТЕНТНЫЙ ЛАНДШАФТ – КРАСИВО, ПОЛЕЗНО...



# НО КАК ЖЕ ДОЛГО!!!

**Thomson Innovation Search of ThemeScape Map**

Fielded Search | Publication Number | Expert Search

Use Thomson Innovation search options to search within the records used to create your ThemeScape Map

NOTE: If your search results contain more than 60,000 records, only the first 60,000 records will be included in your ThemeScape Group.

Enter Criteria: Assignee/Applicant: [Bharat] | Show Template | Show Operators

Clear All Fields | Add Field | Make these my defaults

---

**SEARCH RESULTS**

1,000 records found out of 103,801,724 searched (display limit 1,000) 449 DWPI families 0 records selected

Search within your results: Smart Search-Topic

Filter your results:

<b>Inventor</b>	<b>Assignee</b>	<b>Current IPC</b>
<input type="checkbox"/> Lunspeford(376)	<input type="checkbox"/> HITACHI LTD(119)	<input type="checkbox"/> G21C 3/328(41)
<input type="checkbox"/> Lunspeford, Sergey Mikhailovich(45)	<input type="checkbox"/> Lunspeford(270)	<input type="checkbox"/> G21C 3/328(345)
<input type="checkbox"/> LUNSD, GUY(43)	<input type="checkbox"/> GSN ELECTRONICS	<input type="checkbox"/> G21C 3/329(254)
<input type="checkbox"/> DA MENZO(42)	<input type="checkbox"/> TOSHIBA KK(54)	<input type="checkbox"/> G21C 3/32(140)
<input type="checkbox"/> D.D., CHARLES E(41)	<input type="checkbox"/> TOSHIBA CORP(50)	<input type="checkbox"/> G21C 9/02(134)

Item	Publication Number	Assignee/Applicant	DWPI Assignee/Applicant	Publication Date
1	KR2016061931A	Lee Woo Sung	WOO S L	2016-06-01

Displaying 1 - 10 of 449

**New Group Properties**

**Basic Information**

Name: New Temp Group

Size: 2,694 Document(s)

Created: 2016-10-05 16:52

Modified: 2016-10-05 16:52

**Creation Settings**

Type: Selection Group

Contents: find a document

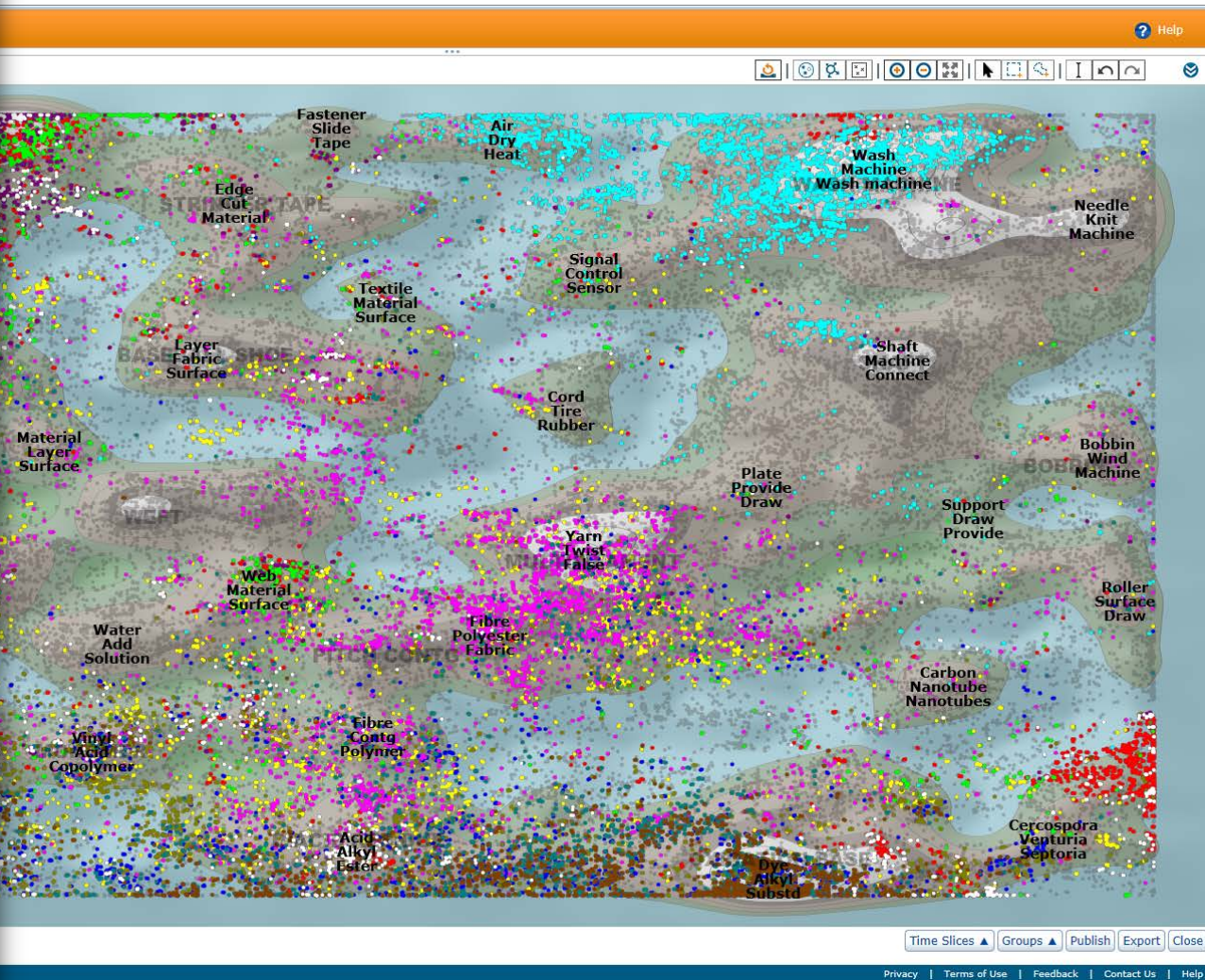
IN20090100812  
IN20010067611  
IN251054B  
WO2013164847A2  
JP2007535911A  
IN2008032031A  
CA2497898A1  
IN235526B

Displaying: 1 - 100 of 2,694

Save Cancel

# МЫ СЛУШАЛИ ВАС И УЛУЧШИЛИ THEMESCAPE

▼ Assignee/Applicant			
<input type="checkbox"/>		[unspecified]	218,915
<input checked="" type="checkbox"/>	<span style="color: red;">●</span>	PROCTER & GAMBLE	37,426
<input checked="" type="checkbox"/>	<span style="color: green;">●</span>	KIMBERLY CLARK CO	24,232
<input checked="" type="checkbox"/>	<span style="color: yellow;">●</span>	DU PONT	18,649
<input checked="" type="checkbox"/>	<span style="color: cyan;">●</span>	LG ELECTRONICS INC	21,630
<input checked="" type="checkbox"/>	<span style="color: blue;">●</span>	BAYER AG	17,268
<input checked="" type="checkbox"/>	<span style="color: magenta;">●</span>	TORAY INDUSTRIES	18,645
<input checked="" type="checkbox"/>	<span style="color: olive;">●</span>	BASF AG	14,788
<input checked="" type="checkbox"/>	<span style="color: teal;">●</span>	HOECHST AG	12,459
<input checked="" type="checkbox"/>	<span style="color: purple;">●</span>	UNI CHARM CORP	13,957
<input checked="" type="checkbox"/>	<span style="color: brown;">●</span>	CIBA GEIGY AG	10,436
<input checked="" type="checkbox"/>	<span style="color: grey;">○</span>	KAO CORP	11,741
<input type="checkbox"/>		TEIJIN LTD	11,432
<input type="checkbox"/>		MATSUSHITA ELECT...	9,408
<input type="checkbox"/>		ICI LTD	5,454
<input type="checkbox"/>		RIETER AG MASCHF	7,336
<input type="checkbox"/>		BROTHER IND LTD	7,983
<input type="checkbox"/>		MURATA MACHINER...	7,473
<input type="checkbox"/>		TOYO BOSEKI	7,373
<input type="checkbox"/>		BSH BOSCH SIEME...	7,078
▶ Countries			
▶ IPC-4 character			





**МЫ СТАЛИ БЫСТРЕЕ,  
ЧТОБЫ БЫТЬ БЛИЖЕ  
К ВАМ**

**ВИКТОР ЖУКОВ  
РУКОВОДИТЕЛЬ ПРАКТИКИ  
ИНТЕЛЛЕКТУАЛЬНАЯ СОБСТВЕННОСТЬ**

**VICTOR.ZHUKOV@THOMSONREUTERS.COM  
+7(963)6128030**

**Clarivate  
Analytics**

Formerly the IP & Science  
business of Thomson Reuters

**Clarivate**  
Analytics

Formerly the IP & Science  
business of Thomson Reuters