

# Finding Economic Targets in the US Patents Database

David Irvin, MSIS

Business & Government Documents Librarian, PTRC Representative, NMSU

# Assumptions for this presentation

- There are economic targets that we don't know about
- Some of those people are inventors or they work for companies active in the patent space
- NM has infrastructure or extra capacity that could assist these economic targets
- It is worth our time to look for these targets using USPTO resources

# Who am I?

- Business & Government Documents Librarian at NMSU
- Patent and Trademark Resource Center, representative
- Formerly a business journalist, before earning MS of Information Science at UNT, Denton

# What's a PTRC?

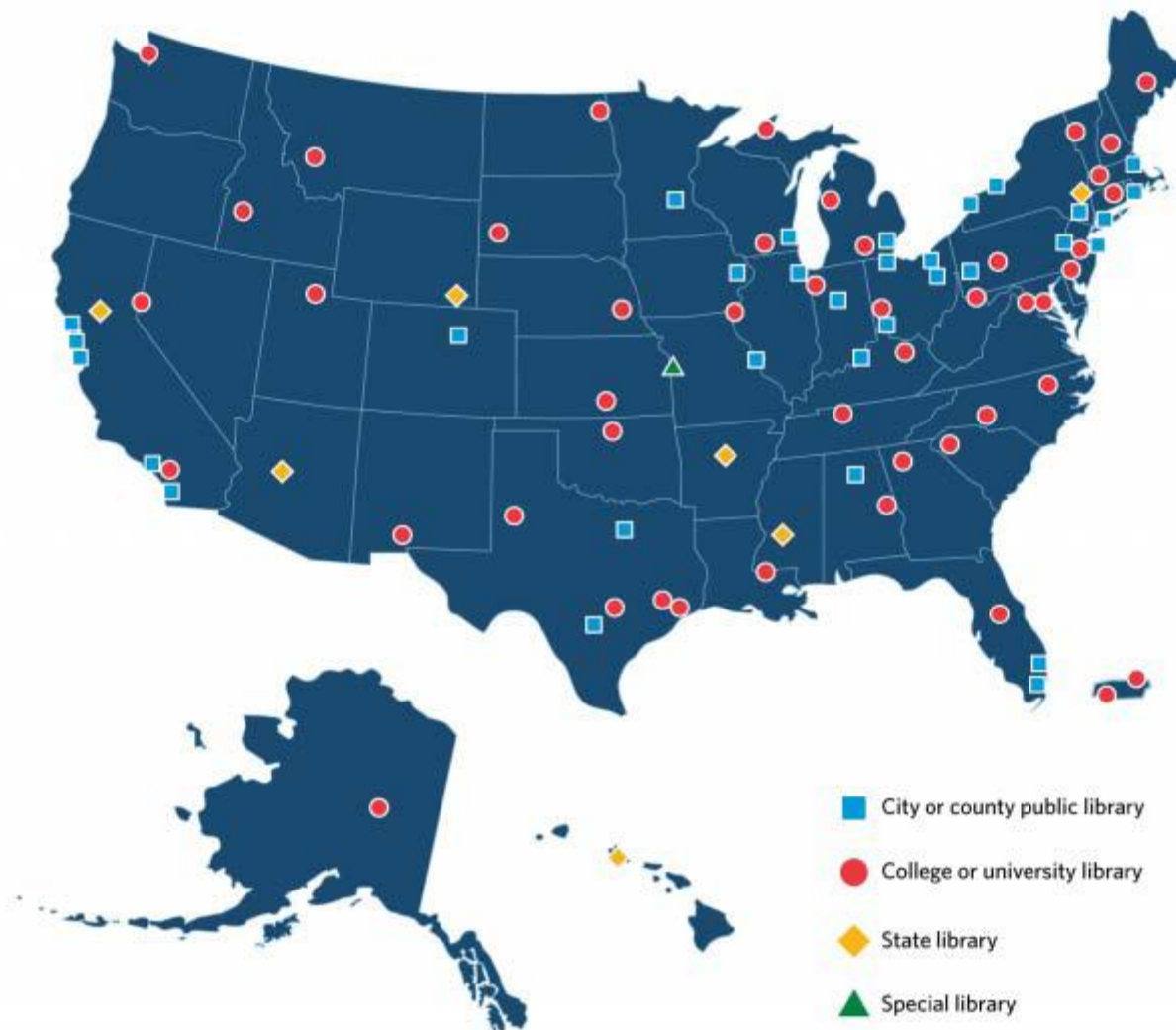


- USPTO affiliated office
- Annual training into best research practices at HQ
- Public events, webinars, etc.
- Patent and Trademark research by appointment

# Training

- Annual training in Alexandria with USPTO trainers, examiners, and others in the PTRC network
- Online Webinar opportunities
- Access to the PTRC network

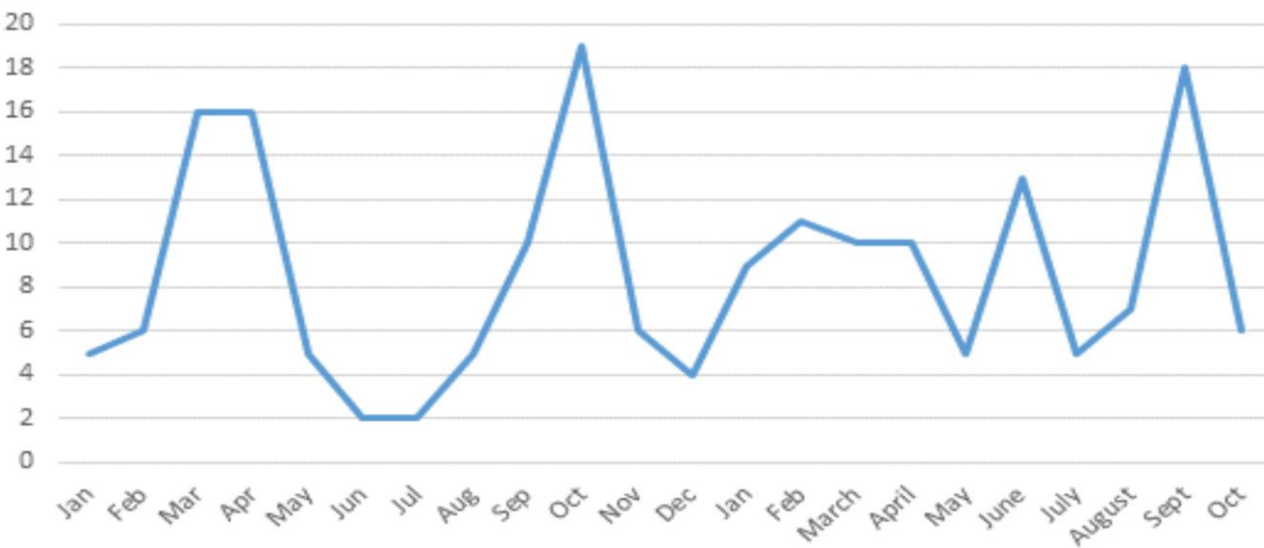
# Where are the PTRC offices?



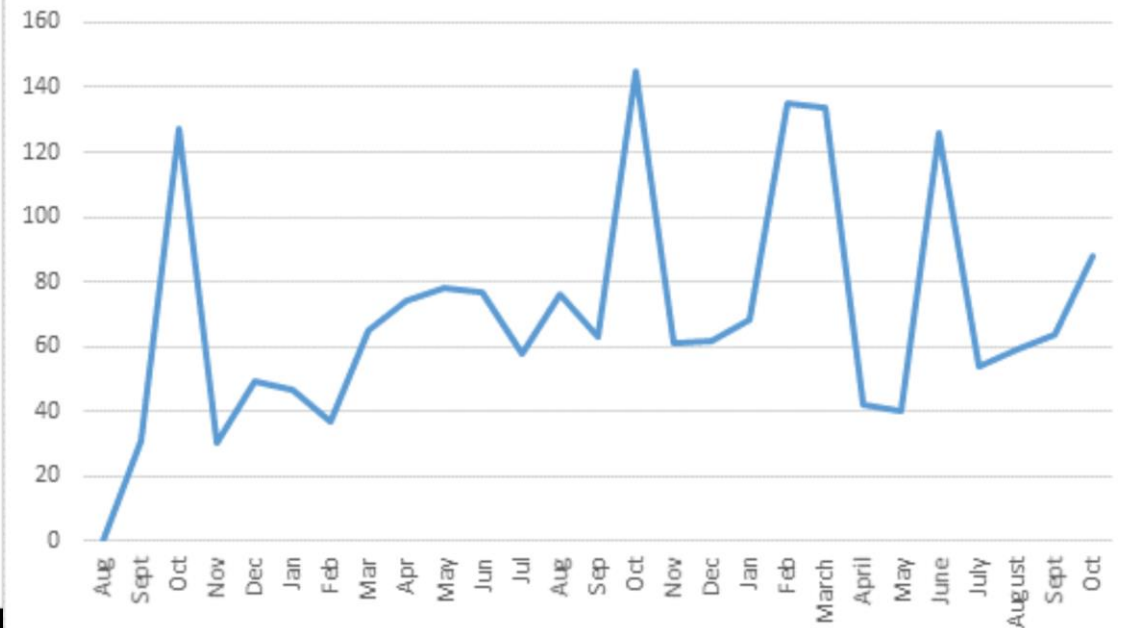
**Source:** PTRC Program Office, USPTO

# How are we doing?

Contacts per month (excluding Web), NMSU PTRC



LibGuide Reach by Month, NMSU PTRC)



Source: NMSU PTRC

# Who comes in?

- Tinkerers/hobbyists
  - Grad students
  - NM and Texas Inventors
  - Attorneys and agents
- 
- People at the very beginning of the process
  - People at the very end of the process



# Plant Patents

\*Every print copy of a plant patent since 1997

\*Microfiche back to 1994

# What's in the database?



- The USPTO has granted more than 10 million patents to date
- Everything since 1976 is digitized ... and searchable
- Millions of full-text patents are OCR'd
- Metadata follows the field designations
  - Author
  - Classification
  - Location
  - Designee
  - Summary

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2018/0221763 A1****Matsukawa**(43) **Pub. Date: Aug. 9, 2018**(54) **METHOD AND APPARATUS FOR THE PROJECTION OF IMAGES, VIDEO, AND/OR HOLOGRAMS GENERATED BY A COMPUTER SIMULATION****Publication Classification**(51) **Int. Cl.***A63F 13/27* (2006.01)*A63F 13/332* (2006.01)*A63F 13/24* (2006.01)(52) **U.S. Cl.**CPC ..... *A63F 13/27* (2014.09); *A63F 13/332* (2014.09); *A63F 13/24* (2014.09)(71) Applicant: **Sony Interactive Entertainment Inc., Tokyo (JP)**(72) Inventor: **Takeo Matsukawa, San Jose, CA (US)**

(57)

**ABSTRACT**

A method includes running a computer simulation that is controlled at least in part by a handheld controller, displaying images generated by the computer simulation on a display, and projecting at least one image generated by the computer simulation from an image projector coupled to the handheld controller. A system includes a display, a handheld controller, an image projector coupled to the handheld controller, and a processor based apparatus. Another system includes a display, a handheld controller, an image projector that is housed in a unit configured to be releasably docked to the handheld controller, and a processor based apparatus. Storage mediums storing one or more computer programs are also provided.

(21) Appl. No.: **15/947,713**(22) Filed: **Apr. 6, 2018****Related U.S. Application Data**

(63) Continuation of application No. 14/994,027, filed on Jan. 12, 2016, now Pat. No. 9,937,420.

(60) Provisional application No. 62/234,570, filed on Sep. 29, 2015.

(19) **United States**

(12) **Patent Application Publication**  
**SASAKI et al.**

(10) **Pub. No.:** US 2018/0256983 A1

(43) **Pub. Date:** Sep. 13, 2018

(54) **COMMUNICATION GAME SYSTEM, GAME APPARATUS, SERVER, STORAGE MEDIUM STORING A PROGRAM, AND GAME CONTROL METHOD**

*A63F 13/87* (2014.01)  
*A63F 13/235* (2014.01)  
*H04W 4/80* (2018.01)  
*A63F 13/33* (2014.01)  
*A63F 13/92* (2014.01)  
*G06Q 50/00* (2012.01)

(71) Applicant: **Nintendo Co., Ltd.**, Kyoto (JP)

(52) **U.S. CL.**

CPC ..... *A63F 13/795* (2014.09); *A63F 2300/301* (2013.01); *H04W 4/21* (2018.02); *A63F 13/30* (2014.09); *A63F 13/31* (2014.09); *A63F 13/327* (2014.09); *A63F 13/335* (2014.09); *A63F 13/35* (2014.09); *A63F 13/71* (2014.09); *A63F 13/77* (2014.09); *A63F 13/87* (2014.09); *A63F 13/235* (2014.09); *H04W 4/80* (2018.02); *A63F 13/33* (2014.09); *A63F 13/92* (2014.09); *A63F 2300/1075* (2013.01); *A63F 2300/204* (2013.01); *A63F 2300/208* (2013.01); *G06Q 50/01* (2013.01); *A63F 2300/402* (2013.01); *A63F 2300/405* (2013.01); *A63F 2300/407* (2013.01); *A63F 2300/556* (2013.01); *H04L 67/38* (2013.01)

(72) Inventors: **Tetsuya SASAKI**, Kyoto (JP); **Yosuke HATAYAMA**, Kyoto (JP); **Daisuke NAKAMURA**, Kyoto (JP); **Yoshitaka SHIROTA**, Kyoto (JP); **Masaru MITSUYOSHI**, Kyoto (JP); **Yutaka TAKEHISA**, Kyoto (JP); **Katsuya EGUCHI**, Kyoto (JP)

(21) Appl. No.: **15/861,838**

(22) Filed: **Jan. 4, 2018**

**Related U.S. Application Data**

(63) Continuation of application No. 14/693,548, filed on Apr. 22, 2015, now Pat. No. 9,895,614, which is a continuation of application No. 13/898,378, filed on May 20, 2013, now Pat. No. 9,050,536, which is a continuation of application No. 11/429,250, filed on May 8, 2006, now Pat. No. 8,795,083.

**Foreign Application Priority Data**

May 6, 2005 (JP) ..... 2005-135121  
Jul. 27, 2005 (JP) ..... 2005-217404

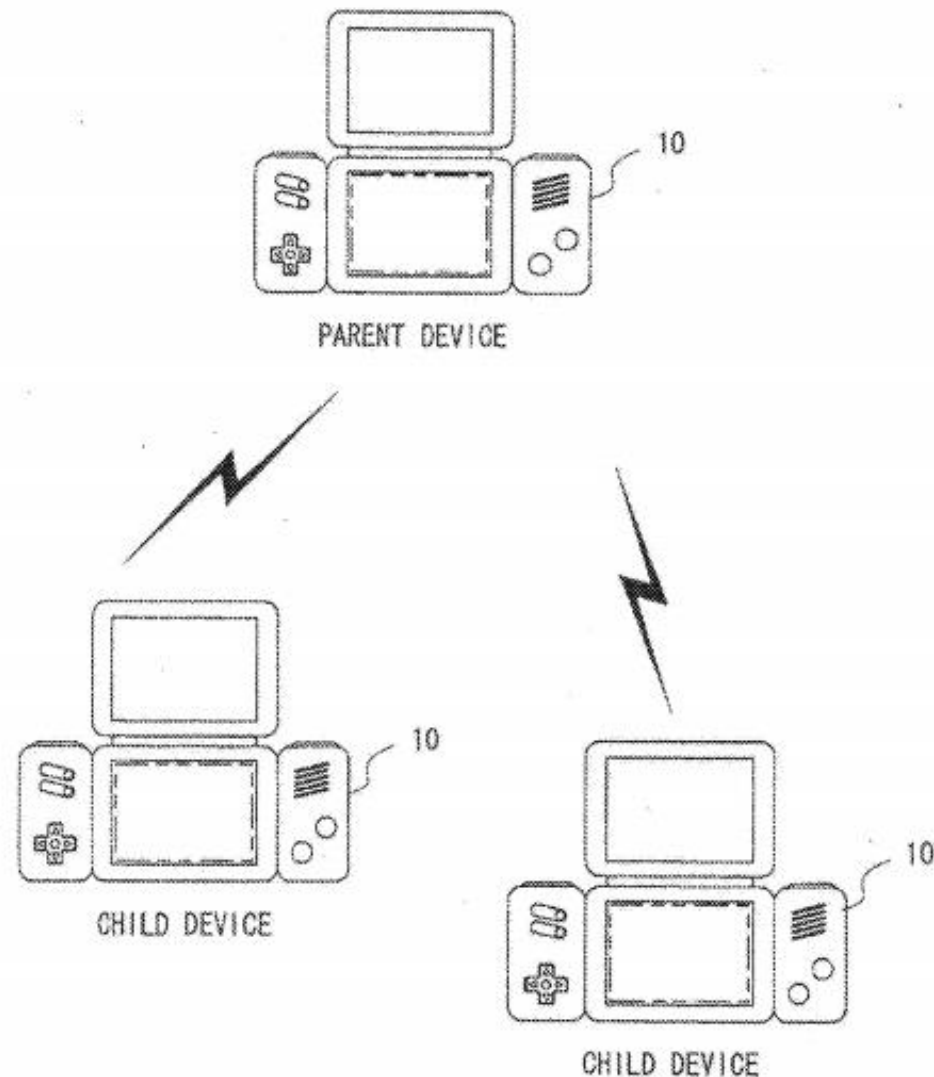
**Publication Classification**

(51) **Int. CL.**

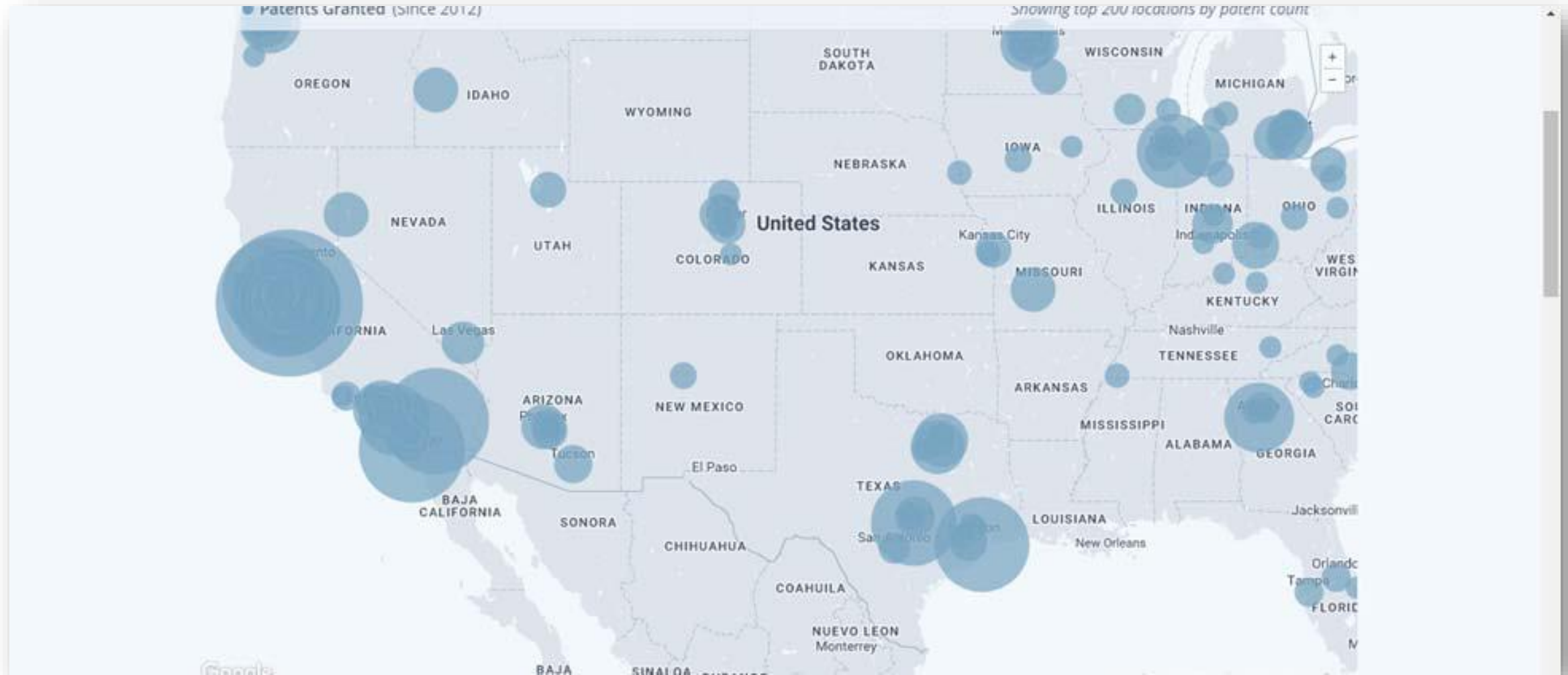
*A63F 13/795* (2014.01)  
*H04L 29/06* (2006.01)  
*H04W 4/21* (2018.01)  
*A63F 13/30* (2014.01)  
*A63F 13/31* (2014.01)  
*A63F 13/327* (2014.01)  
*A63F 13/335* (2014.01)  
*A63F 13/35* (2014.01)  
*A63F 13/71* (2014.01)  
*A63F 13/77* (2014.01)

(57) **ABSTRACT**

A communication game system includes a plurality of game apparatuses which are able to wirelessly communicate with each other. Each of the game apparatus registers identifying information of an opponent obtained by a short-distance wireless communication or by user's manual input in a friend list. Thereafter, the game apparatus connects to the Internet, and inquires whether it is possible to communicate with an opponent in the friend list over the network. If it is possible to communicate, the game apparatus obtains an address of the opponent to make a network communication. Even if a user makes a short distance wireless communication with a friend to exchange and register the identifying information or registers the friend by hand and then is parted from the friend, the user can safely communicate with the friend across the network without being exposed to unknown players. In a case that an additional opponent is to be added to the multiplayer game session, one of the participants transmits identifying information to introduce the communicating opponents to each other. The game apparatuses introduced to each other make a communication over a network, and add the identifying information of the opponents to the friend list, if necessary.

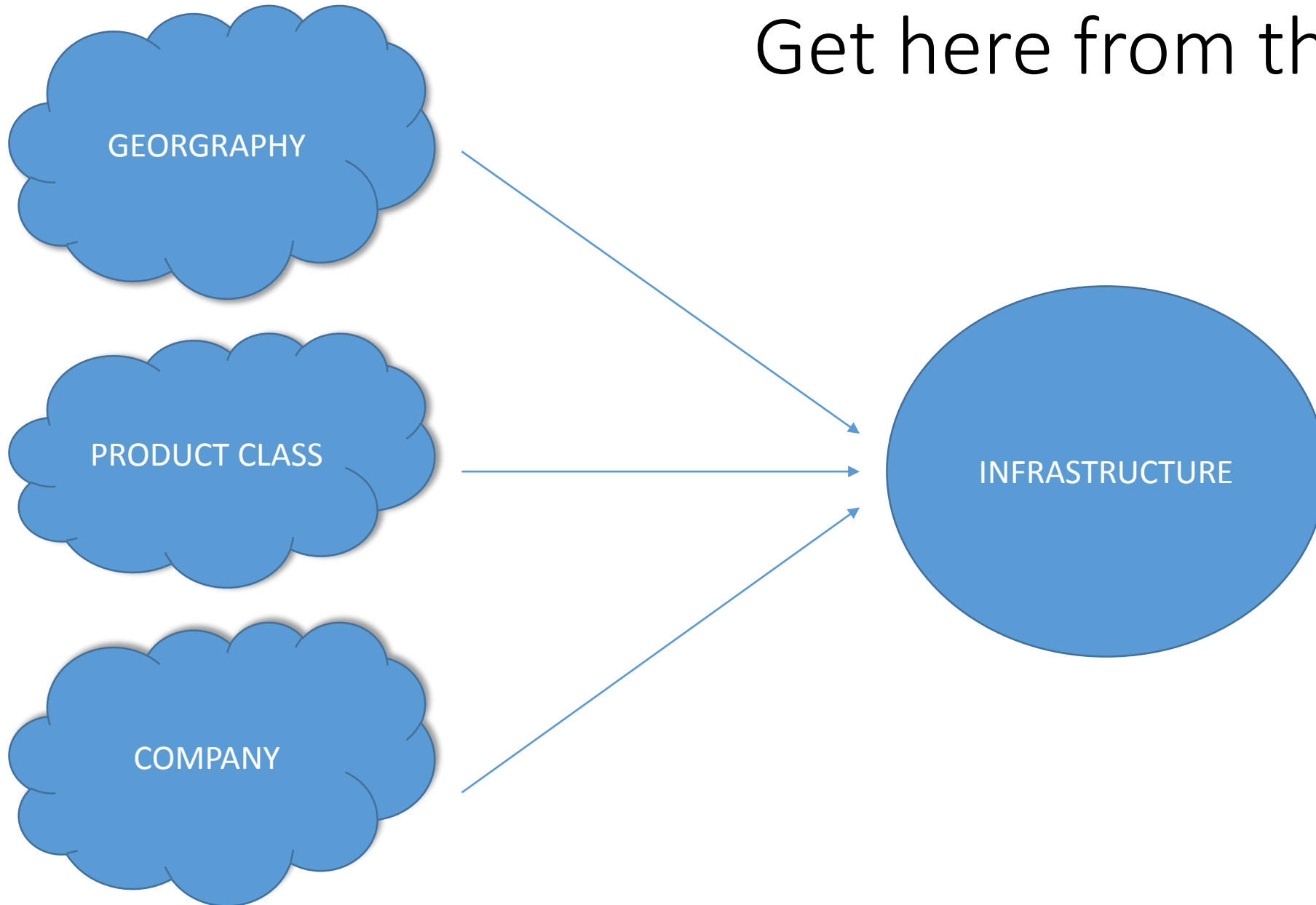


# Where the innovation happens



Source: USPTO, Patentsview

# Get here from there



# Possible research Questions

- **Geography** – Where is patent activity heating up?
- **Product class** – In what CPC classification is most of the innovation occurring in a certain geography?
- **Companies** – The organizations that are actively creating new tech; Who is the most active company in a certain product class?

# Patents research may reveal

**For State developer** - What county has the infrastructure to support a certain product class

**For local developers** – What infrastructure do we need to develop to target certain products?

**For everybody** – Who are those targets?

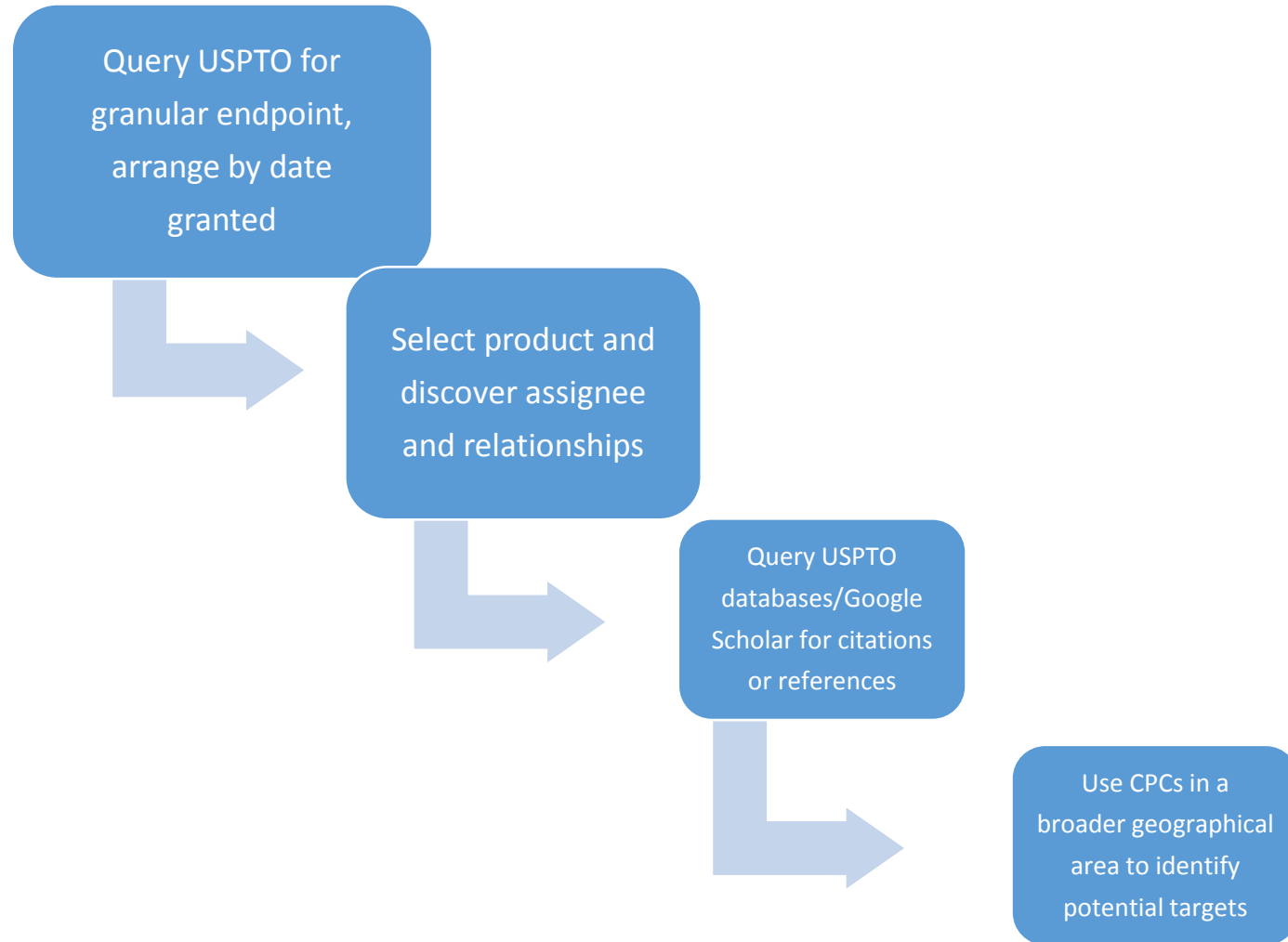
# Patent Research Toolkit

- PubEAST (only at NMSU)
- Patentsview.org (aggregates, visualizations, data downloads)
- Data.gov
- Espacenet.com (classification, patent discovery)
- Google Patents (keyword search, citations following)
- Voyant Tools (Text mining)

# Search tools

- <https://worldwide.espacenet.com/classification?locale=en> EP
- [www.patentsview.org](http://www.patentsview.org)
- <https://patents.google.com/>
- <http://www.data.gov>

# Sample research flow



# A hierarchical classification for ... everything

- Patent classification is called CPC or the Cooperative Patent Classification, developed between the European Patent Office and the USPTO. The system breaks down every conceivable inventions in these broad categories:
  - A. HUMAN NECESSITIES
  - B. PERFORMING OPERATIONS; TRANSPORTING
  - C. CHEMISTRY; METALLURGY
  - D. TEXTILES; PAPER
  - E. FIXED CONSTRUCTIONS
  - F. MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
  - G. PHYSICS
  - H. ELECTRICITY
  - Y. GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS ...

Source: Espacenet.com








# Drilling down into the CPC

## Advantages:

- Extremely granular approach to a difficult problem
- Accessible tools like Espacenet
- International in scope
- Provides a way to search everything in a classification for relevant retrieval

## Disadvantages:

- The US formerly used its own system
- Reconciliation can be a challenge

Symbol	Classification and description	
<input type="checkbox"/> B	PERFORMING OPERATIONS; TRANSPORTING	 
<b>SEPARATING; MIXING</b>		
<input type="checkbox"/> B03	SEPARATION OF SOLID MATERIALS USING LIQUIDS OR USING PNEUMATIC TABLES OR JIGS; MAGNETIC OR ELECTROSTATIC SEPARATION OF SOLID MATERIALS FROM SOLID MATERIALS OR FLUIDS; SEPARATION BY HIGH-VOLTAGE ELECTRIC FIELDS (separating isotopes <a href="#">B01D 59/00</a> ; crushing or disintegrating <a href="#">B02C</a> ; centrifuges or vortex apparatus for carrying out physical processes <a href="#">B04</a> )	
<input type="checkbox"/> B03D	FLOTATION; DIFFERENTIAL SEDIMENTATION (sedimentation in general <a href="#">B01D 21/00</a> ; in combination with other separation of solids <a href="#">B03B</a> ; sink-float separation <a href="#">B03B 5/28</a> ; detergents, soaps <a href="#">C11D</a> )	  
▼ <input type="checkbox"/> B03D 1/00	Flotation (conditioning for flotation, general arrangement of plan <a href="#">B03B</a> )	
▼ <input type="checkbox"/> B03D 3/00	Differential sedimentation	
▼ <input type="checkbox"/> B03D 2201/00	Specified effects produced by the flotation agents (use of substances as emulsifying, wetting, dispersing or foam-producing agents <a href="#">B01F 17/00</a> )	
▲ <input type="checkbox"/> B03D 2203/00	Specified materials treated by the flotation agents; specified applications (paper pulp processing <a href="#">D21F 1/70</a> , de-inking of paper pulp <a href="#">D21B 1/325</a> )	
<input type="checkbox"/> B03D 2203/001	• Agricultural products, food, biogas, algae	
<input type="checkbox"/> B03D 2203/003	• Biotechnological applications, e.g. separation or purification of enzymes, hormones, vitamins, viruses	
<input type="checkbox"/> B03D 2203/005	• Fine and commodity chemicals	
<input type="checkbox"/> B03D 2203/006	• Oil well fluids, oil sands, bitumen	
<input type="checkbox"/> B03D 2203/008	• Water purification, e.g. for process water recycling (waste water treatment <a href="#">C02F 1/24</a> )	
<input type="checkbox"/> B03D 2203/02	• Ores	
<input type="checkbox"/> B03D 2203/025	•• Precious metal ores	
<input type="checkbox"/> B03D 2203/04	•• Non-sulfide ores	
<input type="checkbox"/> B03D 2203/06	••• Phosphate ores	
<input type="checkbox"/> B03D 2203/08	••• Coal ores, fly ash or soot	
<input type="checkbox"/> B03D 2203/10	••• Potassium ores	

# Example: Location approach : Abq

USPTO PatentsView

VIEW RESULTS BY: Patent Inventor Assignee Classification: CPC

SEARCH OPTIONS

RESET SEARCH

Patent

with the exact phrase:  
 with all these words:  
 with at least one of the words:

title or number

Patent Type (show only)  
 Utility  Design  Plant

Inventor +

Assignee, At-Issue +

Patent Class +

Location, At-Issue -

Both  Inventor  Assignee

United States  
New Mexico

We found **8,358 patents** matching your search criteria.  
Additional results include **3,927 inventors**, **364 assignees** and **503 CPC classes**.

showing 50 of 8,358 patents

EXPAND PATENT SUMMARY +

PATENT TITLE	CITATIONS	FILED DATE	GRANT DATE
Adaptive visual output based on change in distance of a mobile device to a user	0	22 Aug 2012	27 Jun 2017
Diagnostic for spectrally combined laser	0	15 Oct 2014	27 Jun 2017
Fabrication of solar cells with electrically conductive polyimide adhesive	0	6 Nov 2015	27 Jun 2017
Flexible electrical connector insert with conductive and non-conductive elastomers	0	25 Oct 2016	27 Jun 2017
Four junction inverted metamorphic	-	-	-

Source: patentsview.org,  
USPTO

PATENT DETAILS

# Fabrication of solar cells with electrically conductive polyimide adhesive

The present disclosure provides a method of manufacturing a solar cell including: providing a first substrate and a second substrate; depositing on the first substrate a sequence of layers of semiconductor material forming a solar cell including a top subcell and a bottom subcell; forming a back metal contact over the bottom subcell; applying a conductive polyimide adhesive to the second... [more](#)

[Go to Google Patents](#)

PATENT INFORMATION

**PROCESSING TIME**

This Patent: 599 days

CPC Filing Year Avg: NaN days

**FILED**

Nov 6, 2015

**GRANTED**

Jun 27, 2017

**PUBLICATION NUMBER**

US9691930

**PATENT TYPE**

Utility

**CLASS TYPE**

CPC: [H01L - Semiconductor devices; electric solid state devices not otherwise provided for](#)

[Y02E - Reduction of greenhouse gases \[ghg\] emission, related to energy generation, transmission or distribution](#)

[Y02P - Climate change mitigation](#)

**INVENTORS**

1. [Mark A. Stan](#)  
 Albuquerque, NM, US

2. [Chelsea Mackos](#)  
 Albuquerque, NM, US

3. [Jeff Steinfeldt](#)  
 Albuquerque, NM, US

**ASSIGNEES AT-ISSUE**

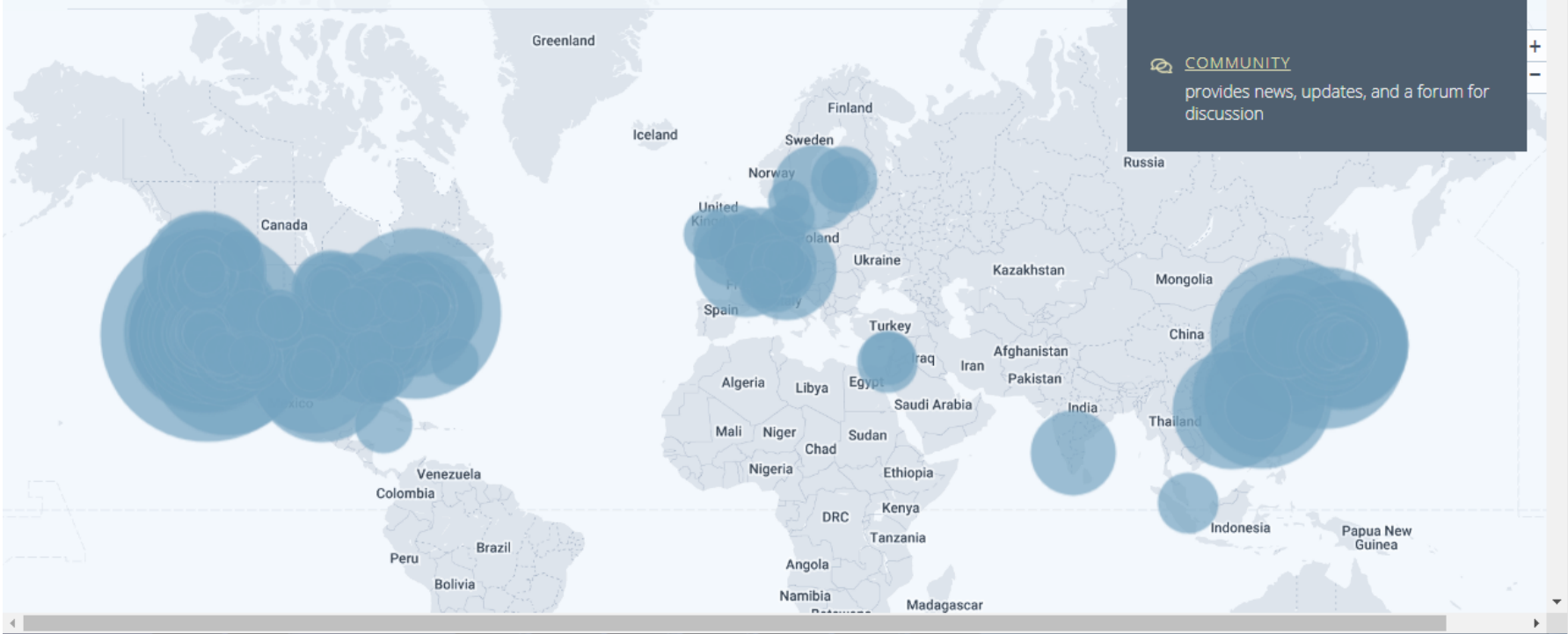
1. [SolAero Technologies Corp.](#)  
 Albuquerque, NM, US

LOCATIONS

# Where Innovation Happens

When patents are granted, the locations of inventors and patent-owning entities – or *assignees* – are recorded. Places with high levels of patenting activity indicate the presence of inventors and assignees that are driving innovation. Explore the locations of inventors and assignees granted patents since 2012.

● Patents Granted (Since 2012)



- [API](#)  
provides developers and researchers programmatic access to the underlying data
- [DATA QUERY](#)  
provides a graphical interface for researchers to query the entire underlying database
- [DATA DOWNLOAD](#)  
provides downloadable tables as csv files covering the underlying database
- [COMMUNITY](#)  
provides news, updates, and a forum for discussion

# Getting a dataset

## Step 2: Select Search Criteria

Use the following criteria to identify a set of US patents. The output dataset will contain all primary entities (patents, inventors, or assignees) associated with those patents.

### Search Summary

Please select at least one search criterion to begin your search. Your selected criteria will show up here as you click to "add to search"

Submit Search ▶

### Patents ?

+ Add to Search

- Select Field - ▼

- Select Field - ▼

### Inventors ?

+ Add to Search

- Select Field - ▼

- Select Field - ▼


### Assignees ?



+ Add to Search


- Select Field - ▼



- Select Field - ▼

# Set up a query

Patents  + Add to Search

Patent Year  greater or equal  2012

Inventors  + Add to Search

Inventor Location At Issue  equals  United States | New Mexico | Albuquerque

# Choose a CPC class

Remember to always press “Add to search” to build the query



## *Technology Classifications*

Cooperative Patent Class ? + Add to Search

CPC Class ▼ equals ▼

# The query as built

## Step 2: Select Search Criteria

Use the following criteria to identify a set of US patents. The output dataset will contain all primary entities (patents, inventors, or assignees) associated with those patents.

*Search Summary*

X CLEAR ALL

- X Patent Year greater or equal 2012
- X Inventor Location At Issue Country equals US
- X Inventor Location At Issue City equals Albuquerque
- X Inventor Location At Issue State equals NM

Submit Search ▶

## Step 3: Select Output Fields

Select fields to be included in output data.

<input type="checkbox"/> Patents -	<input type="checkbox"/> Inventors -
<input checked="" type="checkbox"/> Patent Number	<input type="checkbox"/> Inventor ID
<input checked="" type="checkbox"/> Patent Title	<input checked="" type="checkbox"/> Inventor First Name
<input type="checkbox"/> Patent Abstract	<input checked="" type="checkbox"/> Inventor Last Name
<input checked="" type="checkbox"/> Patent Grant Date	<input type="checkbox"/> Inventor First Name Before Disambiguation
<input type="checkbox"/> Patent Year	<input type="checkbox"/> Inventor Last Name Before Disambiguation
<input type="checkbox"/> Patent Kind	<input type="checkbox"/> Inventor First Seen Date
<input type="checkbox"/> Patent Type	<input type="checkbox"/> Inventor Last Seen Date
<input type="checkbox"/> Patent Average Processing Time	<input type="checkbox"/> Inventor Location ID At Issue
<input type="checkbox"/> Patent Processing Time	<input checked="" type="checkbox"/> Inventor City At Issue
<input type="checkbox"/> Application Number	<input checked="" type="checkbox"/> Inventor State At Issue
<input type="checkbox"/> Application Filing Date	<input type="checkbox"/> Inventor Country At Issue
<input type="checkbox"/> Application Type	

Source: [patentsview.org](https://patentsview.org)

---

## Customize Results

Select how your query results will be sorted and the format of your output dataset.

Sort Results By

Group

Patents

Field

Patent Number

Please enter the email address where you want the results delivered.

Please select the desired file format(s) of your final results.

XML  JSON  CSV



I'm not a robot



reCAPTCHA  
Privacy - Terms

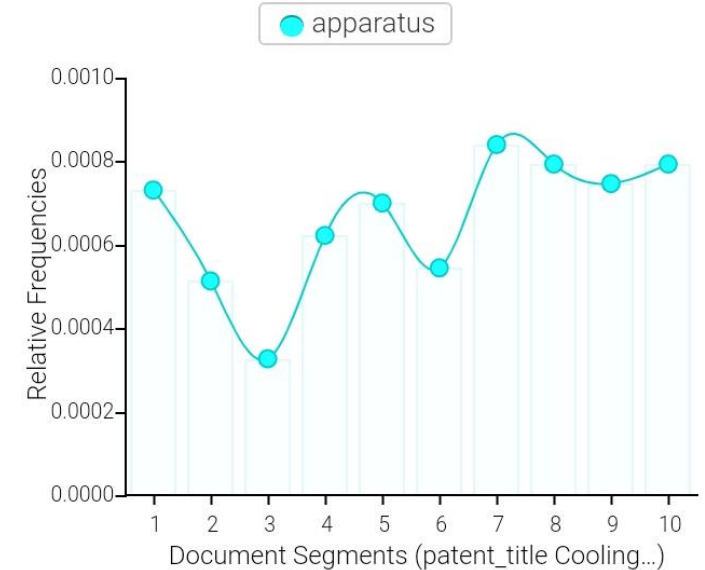
# What is an output?

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	inventor_city	inventor_first_r	inventor_last	inventor_state	patent_date	patent_number	patent_title									
2	Tijeras	Robert V.	Duncan	NM	1/3/2012	8087256	Cooling methods and systems using supercritical fluids									
3	Bloomfield Hills	Peter J.	Littrup	MI	1/3/2012	8087256	Cooling methods and systems using supercritical fluids									
4	Albuquerque	Alexei V.	Babkin	NM	1/3/2012	8087256	Cooling methods and systems using supercritical fluids									
5	Albuquerque	Anatoly I.	Efremov	NM	1/3/2012	8087256	Cooling methods and systems using supercritical fluids									
6	Beverly Hills	Cameron J.	Dasch	CA	1/3/2012	8087298	Ultrasonic probe deployment device for increased wave transmission and rapid area scan inspections									
7	Albuquerque	Dennis P.	Roach	NM	1/3/2012	8087298	Ultrasonic probe deployment device for increased wave transmission and rapid area scan inspections									
8	Albuquerque	Kirk A.	Rackow	NM	1/3/2012	8087298	Ultrasonic probe deployment device for increased wave transmission and rapid area scan inspections									
9	Placitas	Joseph	DiMambro	NM	1/3/2012	8087298	Ultrasonic probe deployment device for increased wave transmission and rapid area scan inspections									
10	Albuquerque	Ciji L.	Nelson	NM	1/3/2012	8087298	Ultrasonic probe deployment device for increased wave transmission and rapid area scan inspections									
11	Albuquerque	David G.	Moore	NM	1/3/2012	8087298	Ultrasonic probe deployment device for increased wave transmission and rapid area scan inspections									
12	Albuquerque	Emray R.	Goossen	NM	1/3/2012	8087315	Methods and systems for attaching and detaching a payload device to and from, respectively, a gimbal sy									
13	Glendale	Ken E.	Young	AZ	1/3/2012	8087315	Methods and systems for attaching and detaching a payload device to and from, respectively, a gimbal sy									
14	Longboat Key	Sidney M.	Libit	FL	1/3/2012	8087511	Cup carrier									
15	Great Falls	Jeanne E.	Libit	VA	1/3/2012	8087511	Cup carrier									
16	Albuquerque	Jeffrey M.	Libit	NM	1/3/2012	8087511	Cup carrier									
17	Albuquerque	Lu	Fang	NM	1/3/2012	8088992	Solar cell receiver having an insulated bypass diode									
18	Albuquerque	Emray R.	Goossen	NM	1/3/2012	8089225	Systems and methods for inertially controlling a hovering unmanned aerial vehicles									
19	Albuquerque	Thomas S.	McKechnie	NM	1/3/2012	8089633	Test method for surface figure of large convex mirrors									
20	Albuquerque	Luis M.	Ortiz	NM	1/3/2012	8090321	Transmitting sports and entertainment data to wireless hand held devices over a telecommunications ne									
21	Albuquerque	Kermit D.	Lopez	NM	1/3/2012	8090321	Transmitting sports and entertainment data to wireless hand held devices over a telecommunications ne									
22	Albuquerque	Schuyler E.	Shimanek	NM	1/3/2012	8090758	Enhanced multiplier-accumulator logic for a programmable logic device									
23	West Chester	William E.	Allaire	PA	1/3/2012	8090758	Enhanced multiplier-accumulator logic for a programmable logic device									
24	Burlington	Steven Jeffrey	Zack	NJ	1/3/2012	8090758	Enhanced multiplier-accumulator logic for a programmable logic device									
25	Albuquerque	My	Tran	NM	1/3/2012	8090824	Gateway data proxy for embedded health management systems									
26	Albuquerque	Al	Salinas	NM	1/3/2012	8090824	Gateway data proxy for embedded health management systems									
27	Rio Rancho	Steven N.	Todd	NM	1/10/2012	8091479	Fluid blade disablement tool									
28	Albuquerque	Juan-Carlos	Jakaboski	NM	1/10/2012	8091479	Fluid blade disablement tool									
29	Albuquerque	Chance G.	Hughs	NM	1/10/2012	8091479	Fluid blade disablement tool									
30	Albuquerque	C. Jeffrey	Brinker	NM	1/10/2012	8092595	Self-assembly of water-soluble nanocrystals									
31	Albuquerque	Gabriel P.	Lopez	NM	1/10/2012	8092595	Self-assembly of water-soluble nanocrystals									
32	Albuquerque	Hongyou	Fan	NM	1/10/2012	8092595	Self-assembly of water-soluble nanocrystals									
33	Albuquerque	Saleem H.	Zaidi	NM	1/10/2012	8093474	Metallic nanospheres embedded in nanowires initiated on nanostructures and methods for synthesis th									
34	Walnut Creek	Joseph W.	Tringe	CA	1/10/2012	8093474	Metallic nanospheres embedded in nanowires initiated on nanostructures and methods for synthesis th									
35	Sunnyvale	Ganesh	Vanamu	CA	1/10/2012	8093474	Metallic nanospheres embedded in nanowires initiated on nanostructures and methods for synthesis th									
36	Albuquerque	Raiiv	Prinia	NM	1/10/2012	8093474	Metallic nanospheres embedded in nanowires initiated on nanostructures and methods for synthesis th									

		Term	Count	Trend
<input type="checkbox"/>	<input type="checkbox"/>	1 method	1332	
<input type="checkbox"/>	<input type="checkbox"/>	2 methods	1092	
<input type="checkbox"/>	<input type="checkbox"/>	3 using	521	
<input type="checkbox"/>	<input type="checkbox"/>	4 systems	477	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5 apparatus	425	
<input type="checkbox"/>	<input type="checkbox"/>	6 device	406	
<input type="checkbox"/>	<input type="checkbox"/>	7 solar	351	
<input type="checkbox"/>	<input type="checkbox"/>	8 devices	311	
<input type="checkbox"/>	<input type="checkbox"/>	9 based	251	
<input type="checkbox"/>	<input type="checkbox"/>	10 high	236	

**patent\_title Cooling methods and systems using ...**

patent\_title  
 Cooling methods and systems using supercritical fluids  
 Cooling methods and systems using supercritical fluids  
 Cooling methods and systems using supercritical fluids  
 Cooling methods and systems using supercritical fluids  
 Ultrasonic probe deployment device for increased wave transmission and rapid area scan inspections



3,729

This corpus has 1 document with 64,307 total words and 3,841 unique word forms. Created now.

**Vocabulary Density:** 0.060

**Average Words Per Sentence:** 64307.0

Most **frequent words** in the corpus: **method** (1332); **methods** (1092); **using** (521);

items:

Document	Left	Term	Right
<input checked="" type="checkbox"/> 1) patent...	hovering unmanned aerial...	met...	for surface figure of large
<input checked="" type="checkbox"/> 1) patent...	vessel detection techniqu...	met...	for controlling operation o...
<input checked="" type="checkbox"/> 1) patent...	or impaired individuals Ap...	met...	for controlling operation o...
<input checked="" type="checkbox"/> 1) patent...	or impaired individuals Ap...	met...	for controlling operation o...
<input checked="" type="checkbox"/> 1) patent...	package Air filtration and ...	met...	and system for the remed...

1,332 context  expand

Contact the NMSU PTRC

David Irvin

575-646-6925

[dirv@nmsu.edu](mailto:dirv@nmsu.edu)

[nmsu.libguides.com/ptrc](http://nmsu.libguides.com/ptrc)