K&L GATES

Fundamentals of U.S. Patent and Trademarks – Searching and Procurement

Laurén S. Murray, Esq.

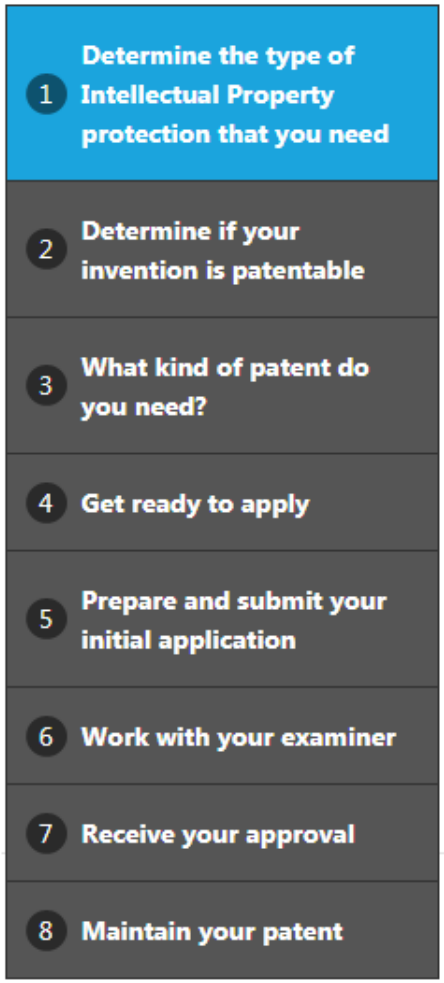
October 30, 2018

Agenda

- U.S. Patent Procurement
- Patent Searching
- U.S. Trademark Procurement
- Trademark Searching
- Overlapping Universes of IP
- Case Studies (time permitting)

U.S. Patent Procurement

- USPTO's Patent Process Overview
- www.uspto.gov/patents-getting-started/patent-process-overview



U.S. Patent Procurement – how long will it take?

www.uspto.gov/dashboards/patents/main.dashxml

U.S. Patent Procurement – How much will it cost?

U.S. Patent Procurement – a financial timeline

Preparation | Filing | Examination | Issuance | Maintenance

Preparation

Your Time

+

Attorney Time

Search Fees?

Drawing Fees?

Filing

Filing Fee - $75/$150/$300

Search Fee - $165/$330/$660

Examination Fee – $190/$380/$760

Total – $430/$860/$1720

Examination

Your Time

+

Attorney Time

First RCE - $325/$650/$1,300

Second RCE - $475/$950/$1,900

Issuance

Issue Fee - $250/$500/$1,000

Maintenance

@ 3.5 years - $400/$800/$1,600

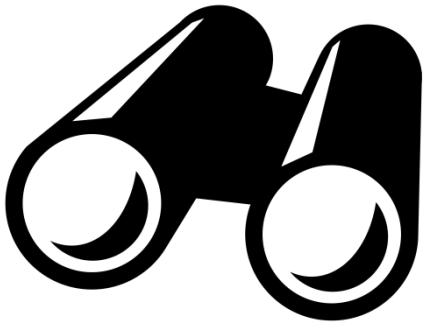
@ 7.5 years - $900/$1,800/$3,600

@ 11.5 years - $1,850/$3,700/$7,400

- *Fees for a U.S. non-provisional patent application without extras fees for claims or pages*
- *Micro Entity/Small Entity/Large Entity*

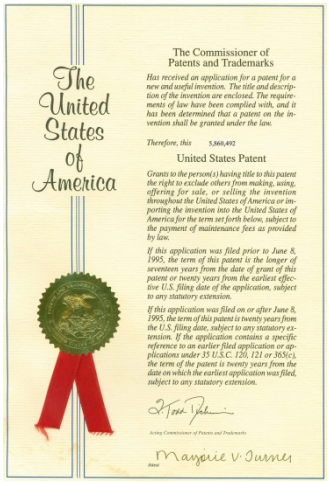
Patent Searching

- Types of Searches
  - Patentability
  - Validity
  - Infringement
  - Clearance
  - State of the Art
- Tools and Techniques
  - USPTO's Seven Step Search Strategy
  - USPTO Search Example



Types of Prior Art Searches – Patentability Search

- To determine if an invention is patentable / claim scope
- Look for prior art disclosing the invention or something similar
- Any “public domain” knowledge



Types of Prior Art Searches – Validity Search

- To determine the validity of an issued patent
- Look for prior art documents that would invalidate one or more claims in the issued patent

Types of Prior Art Searches – Validity Search (example)

What is claimed is:

1. An apparatus, comprising:

a vehicle ("ego-vehicle") configured to be autonomously navigated in a peloton along a roadway, wherein the peloton comprises the ego-vehicle and at least one additional vehicle, wherein the ego-vehicle comprises:

a vehicle navigation system which is configured to:

based on a comparison of driving ranges of each of the ego-vehicle and the at least one additional vehicle, determine a particular configuration of the peloton, which comprises a particular peloton position in which the ego-vehicle is navigated relative to the at least one additional vehicle, which reduces a difference of the relative driving ranges of the ego-vehicle and the at least one additional vehicle; and

generate a set of control commands which cause the vehicle to be navigated in the peloton at the particular peloton position, according to the particular configuration of the peloton.

Related U.S. Application Data

(60) Provisional application No. 62/232,853, filed on Sep. 25, 2015.

(12) **United States Patent**
Aikin et al.

(10) **Patent No.: US 10,108,202 B1**
(45) **Date of Patent: Oct. 23, 2018**

(54) **PELOTON**

(71) Applicant: **Apple Inc.**, Cupertino, CA (US)

(72) Inventors: **Randol W. Aikin**, Sunnyvale, CA (US); **Malcolm J. Northcott**, Felton, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **15/275,160**

(22) Filed: **Sep. 23, 2016**

Related U.S. Application Data

(60) Provisional application No. 62/232,853, filed on Sep. 25, 2015.

(51) **Int. Cl.**

G01S 13/00	(2006.01)
G01S 13/93	(2006.01)
G05D 1/00	(2006.01)
G05D 1/02	(2006.01)
B60L 11/18	(2006.01)

(52) **U.S. Cl.**
CPC ***G05D 1/0293*** (2013.01); ***B60L 11/1801*** (2013.01); ***B60L 11/1816*** (2013.01); ***G05D 1/0295*** (2013.01)

(58) **Field of Classification Search**
CPC G05D 1/00; G05D 1/0293; G05D 1/0295; B60L 11/00; B60L 11/1801; B60L 11/1816; G01C 21/00; G01C 21/26; G01C 21/34; G08G 1/22
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,032,097	A *	2/2000	Iihoshi	G08G 1/22 180/168
6,813,561	B2 *	11/2004	MacNeille	G01C 21/26 342/357.34
8,676,466	B2 *	3/2014	Mudalige	G08G 1/22 370/252
8,774,981	B2 *	7/2014	Paz-Meidan	B25J 5/00 700/245
9,396,661	B2 *	7/2016	Okamoto	G08G 1/22
9,799,224	B2 *	10/2017	Okamoto	G08G 1/22
2004/0193372	A1 *	9/2004	MacNeille	G01C 21/26 701/468
2014/0210646	A1 *	7/2014	Subramanya	B61L 29/28 340/928

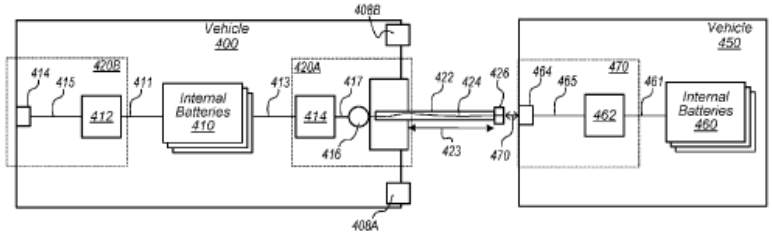
* cited by examiner

Primary Examiner — Yonel Beaulieu
(74) *Attorney, Agent, or Firm* — Robert C. Kowert; Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.

(57) **ABSTRACT**

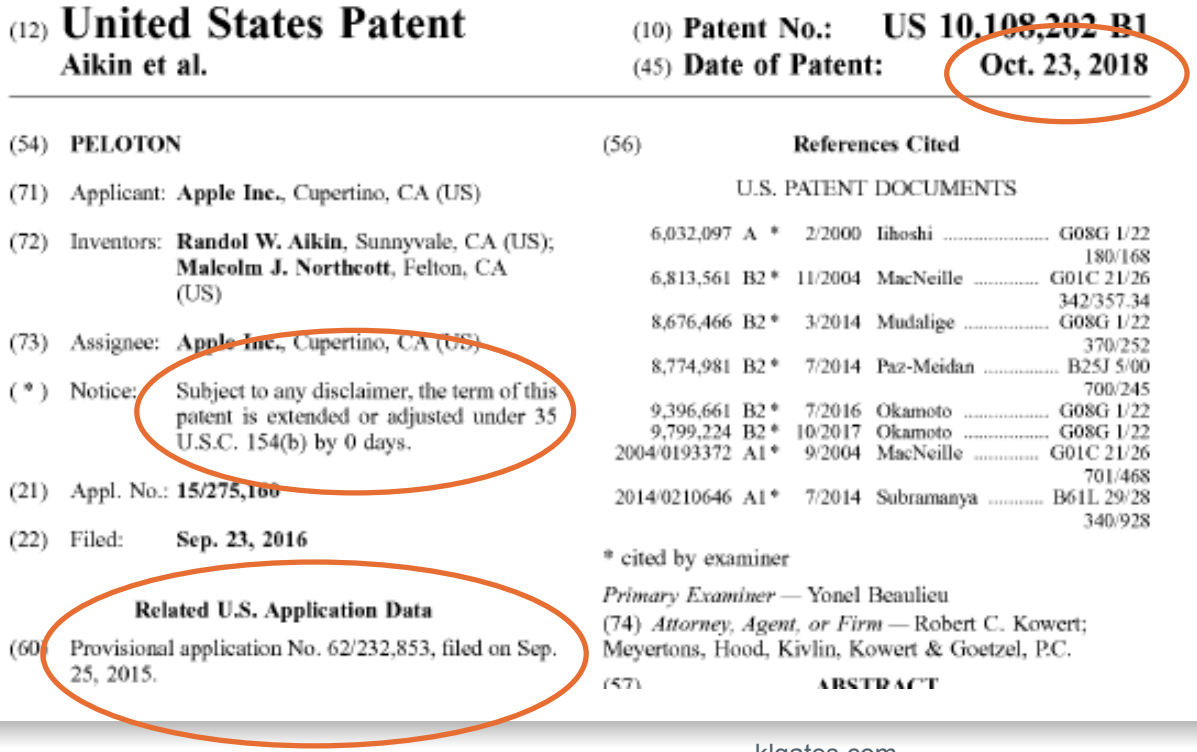
A vehicle configured to be autonomously navigated in a peloton along a roadway, wherein the peloton comprises at least the vehicle at least one additional vehicle, is configured to determine a position of the vehicle in the peloton which reduces differences in relative driving ranges among the vehicles included in the peloton. The vehicles can dynamically adjust peloton positions while navigating to reduce driving range differences among the vehicles. The vehicle can include a power management system which enables the vehicle to be electrically coupled to a battery included in another vehicle in the peloton, so that driving range differences between the vehicles can be reduced via load sharing via the electrical connection. The vehicle can include a power connector arm which extends a power connector to couple with an interface of another vehicle.

20 Claims, 5 Drawing Sheets



Types of Prior Art Searches – Infringement Search

- To determine whether a patent claim would be infringed
- Compare a proposed product or service to non-expired U.S. patents



(12) **United States Patent**
Aikin et al.

(10) **Patent No.: US 10,108,202 B1**
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(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **15/275,166**

(22) Filed: **Sep. 23, 2016**

Related U.S. Application Data

(60) Provisional application No. 62/232,853, filed on Sep. 25, 2015.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,032,097	A *	2/2000	Iihoshi	G08G 1/22 180/168
6,813,561	B2 *	11/2004	MacNeille	G01C 21/26 342/357.34
8,676,466	B2 *	3/2014	Mudalige	G08G 1/22 370/252
8,774,981	B2 *	7/2014	Paz-Meidan	B25J 5/00 700/245
9,396,661	B2 *	7/2016	Okamoto	G08G 1/22
9,799,224	B2 *	10/2017	Okamoto	G08G 1/22
2004/0193372	A1 *	9/2004	MacNeille	G01C 21/26 701/468
2014/0210646	A1 *	7/2014	Subramanya	B61L 29/28 340/928

* cited by examiner

Primary Examiner — Yonel Beaulieu

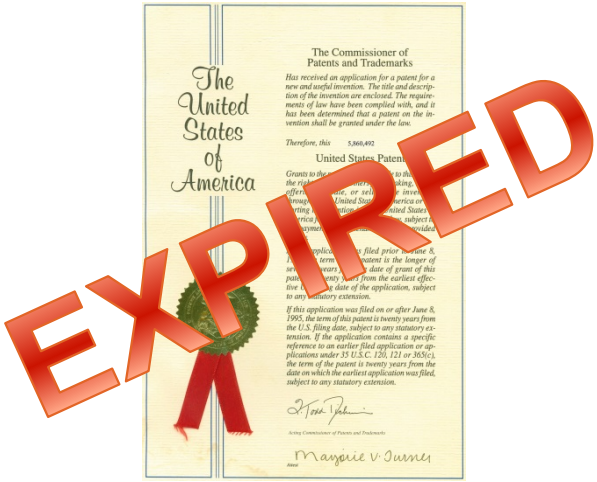
(74) *Attorney, Agent, or Firm* — Robert C. Kowert; Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.

(57) **ABSTRACT**

September 25, 2015
+
20 years
+
0 days
=
September 25, 2035

Types of Prior Art Searches – Clearance Search

- To determine if an action is a “safe” practice of the prior art (“safe” = reduced risk of patent infringement liability)
- Try to find that the invention has been “dedicated to the public”



- Scope
  - Expired or Lapsed Patents
  - Abandoned Published Patent Applications

Types of Prior Art Searches – State of the Art Search

- To determine the “lay of the land” in a technical space
- Look at the broad, general inventive concept without specific implementation details

USPTO's 7-Step Search Strategy

1. Brainstorm Terms
2. Find Cooperative Patent Classification (CPC)
3. Verify CPC
4. Retrieve Issued U.S. Patents with CPC, Review and Narrow Results
5. Review Each Relevant Patent in Depth including References Cited by the Examiner and the Applicant
6. Retrieve U.S. Patent Applications with CPC, Review and Narrow Results
7. Broaden Your Search

www.uspto.gov/learning-and-resources/support-centers/patent-and-trademark-resource-centers-ptrc/resources/seven

USPTO Search Example – Step 1

- Invention: Umbrella with a new rib design to eliminate collapsing or inverting due to winds

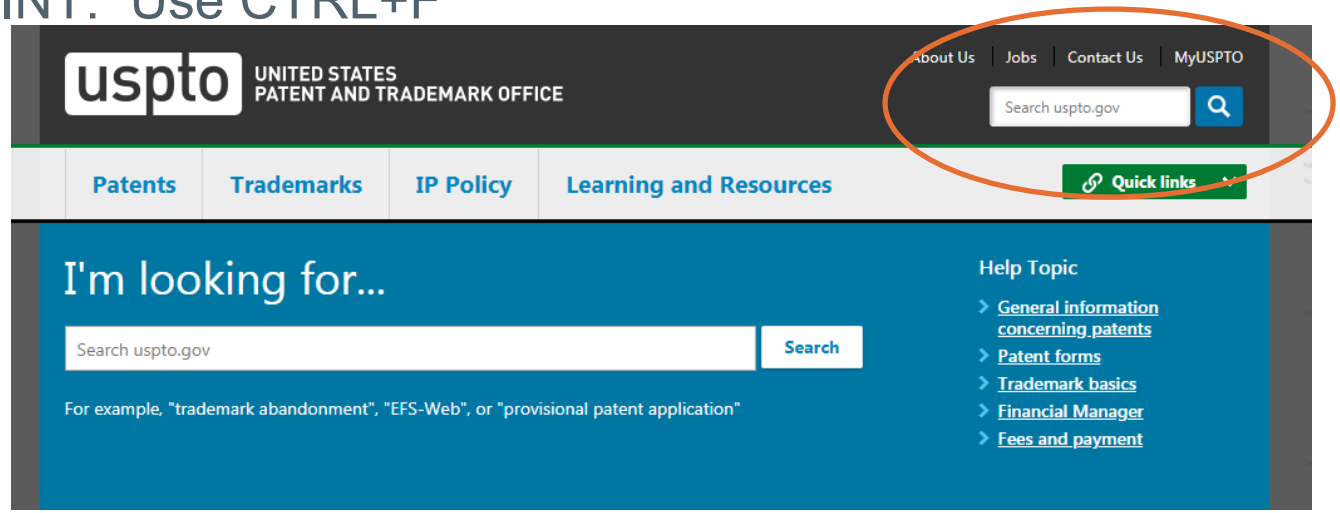
Step 1: Brainstorm Terms

- Umbrella
- Rib
- Parasol
- Sunshade
- Wind-resistant

USPTO Search Example – Step 2

Step 2: Find CPC

- www.uspto.gov
- Search for “CPC scheme umbrella”
- Scan results for the best match: “A45B 25/22 Devices for increasing the resistance of umbrellas to wind”
  - HINT: Adjust indentation level
  - HINT: Use CTRL+F



USPTO Search Example – Step 3

Step 3: Verify Relevancy of CPC

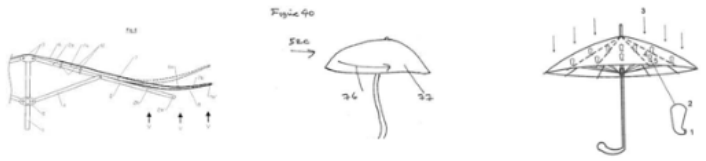
D		A45B 25/20	. . Windows in covers
D		A45B 25/22	. Devices for increasing the resistance of umbrellas to wind
D	-	A45B 25/24	. Protective coverings for umbrellas when closed
D		A45B 25/26	. . Ventilated coverings
D		A45B 25/28	. Drip receptacles for umbrellas; Attaching devices therefor
D		A45B 25/30	. Name-plates; Badges; Labelling or marking devices; Means for attaching same (attached to the umbrella stick A45B 9/06)
D	-	**A45B 27/00**	**Ladies' or like fans**
D		A45B 27/02	. with mechanical hand-drive

A45B 25/22

Devices for increasing the resistance of umbrellas to wind

Definition statement

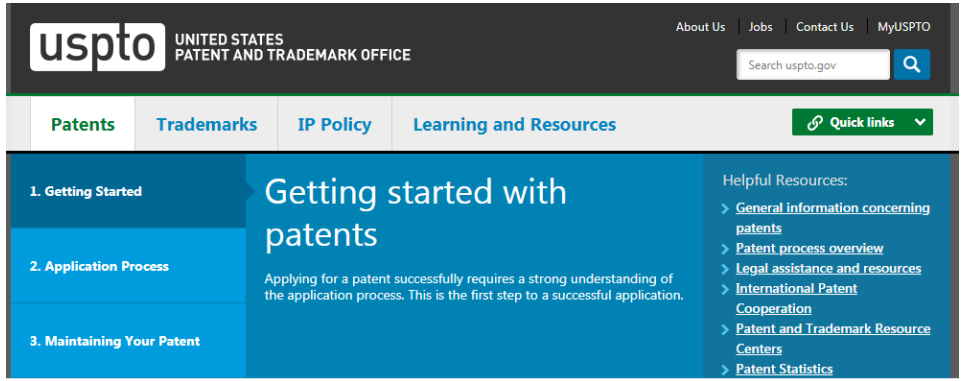
This place covers:

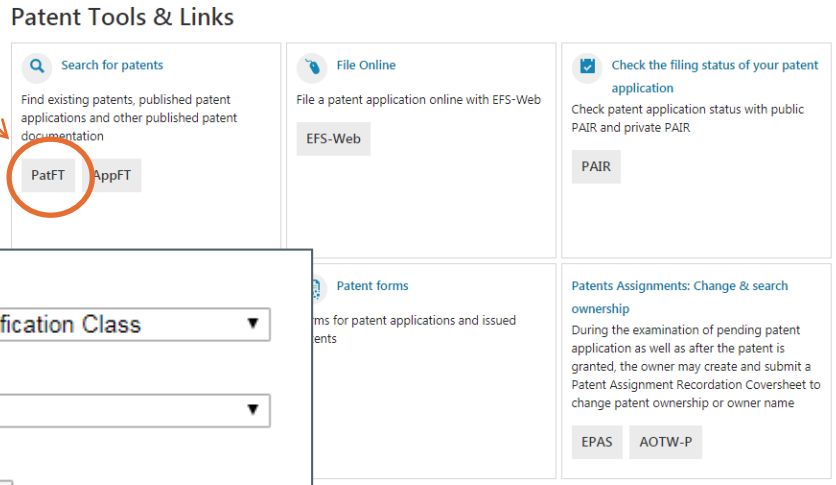


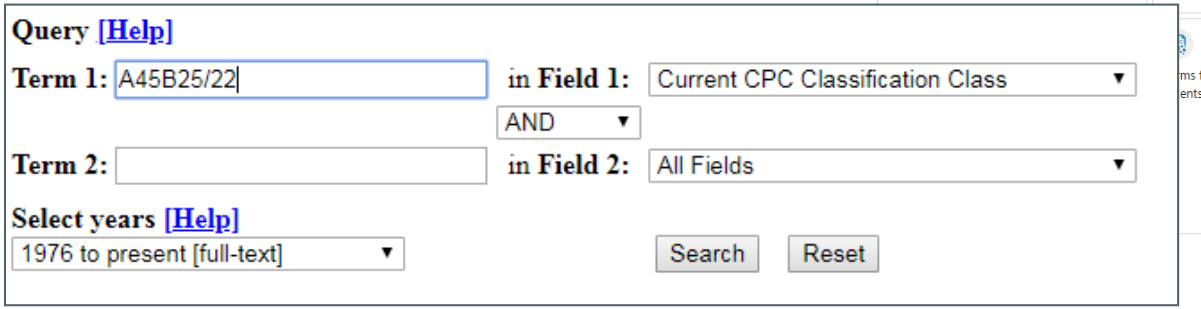
USPTO Search Example – Step 4

Step 4: Retrieve Issued U.S. Patents with CPC

- www.uspto.gov/patent
- Use PatFT tool
- Search String: CPC/A45B25/22
  - ❖ HINT: No spaces



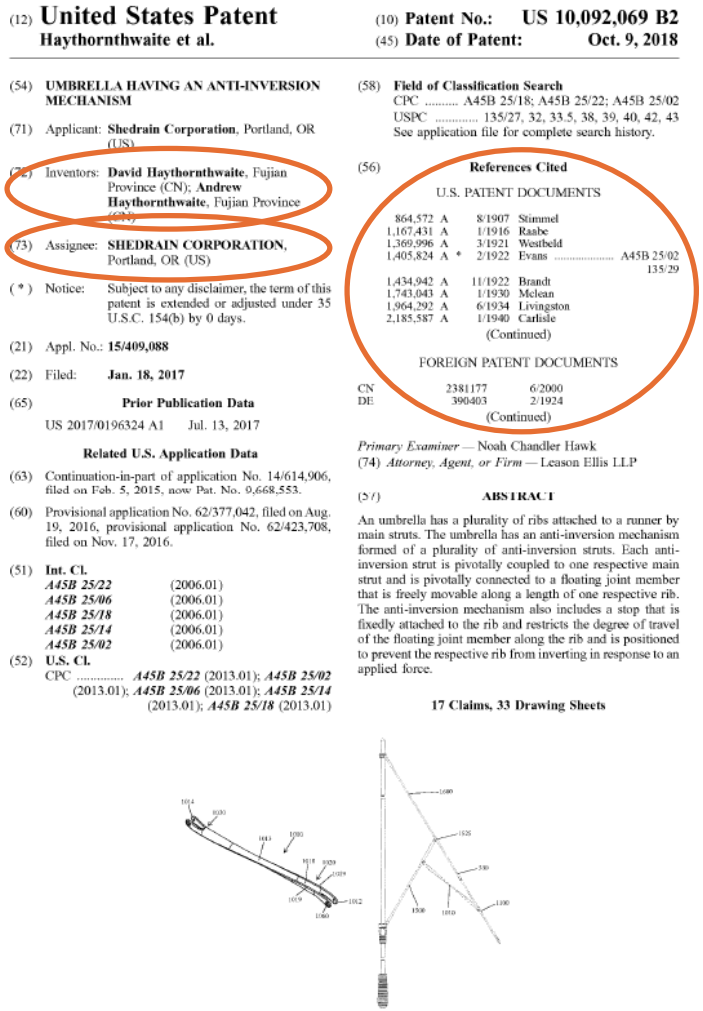




USPTO Search Example – Step 4 (continued)

Step 4 (cont.): Review and Narrow Results of >100 patents, including U.S. Patent No. 10,092,069

- HINT: Click "Images" Button
- HINT: Click "Full Pages" Button



(12) **United States Patent**
Haythornthwaite et al.

(10) **Patent No.: US 10,092,069 B2**
(45) **Date of Patent: Oct. 9, 2018**

(54) **UMBRELLA HAVING AN ANTI-INVERSION MECHANISM**

(71) Applicant: **Shedrain Corporation**, Portland, OR (US)

(72) Inventors: **David Haythornthwaite**, Fujian Province (CN); **Andrew Haythornthwaite**, Fujian Province (CN)

(73) Assignee: **SHEDRAIN CORPORATION**, Portland, OR (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **15/409,088**

(22) Filed: **Jan. 18, 2017**

(65) **Prior Publication Data**

US 2017/0196324 A1 Jul. 13, 2017

Related U.S. Application Data

(63) Continuation-in-part of application No. 14/614,906, filed on Feb. 5, 2015, now Pat. No. 9,668,553.

(60) Provisional application No. 62/377,042, filed on Aug. 19, 2016, provisional application No. 62/423,708, filed on Nov. 17, 2016.

(51) **Int. Cl.**

A45B 25/22	(2006.01)
A45B 25/06	(2006.01)
A45B 25/18	(2006.01)
A45B 25/14	(2006.01)
A45B 25/02	(2006.01)

(52) **U.S. Cl.**

CPC ***A45B 25/22*** (2013.01); ***A45B 25/02*** (2013.01); ***A45B 25/06*** (2013.01); ***A45B 25/14*** (2013.01); ***A45B 25/18*** (2013.01)

(58) **Field of Classification Search**

CPC A45B 25/18; A45B 25/22; A45B 25/02
USPC 135/27, 32, 33.5, 38, 39, 40, 42, 43
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

864,572	A	8/1907	Stimmel	
1,167,431	A	1/1916	Raabe	
1,369,996	A	3/1921	Westbeld	
1,405,824	A *	2/1922	Evans	A45B 25/02 135/29
1,434,042	A	11/1922	Brandt	
1,743,043	A	1/1930	Mclean	
1,964,292	A	6/1934	Livingston	
2,185,587	A	1/1940	Carlisle	

(Continued)

FOREIGN PATENT DOCUMENTS

CN	2381177	6/2000
DE	390403	2/1924

(Continued)

Primary Examiner — Noah Chandler Hawk
(74) *Attorney, Agent, or Firm* — Leason Ellis LLP

(57) **ABSTRACT**

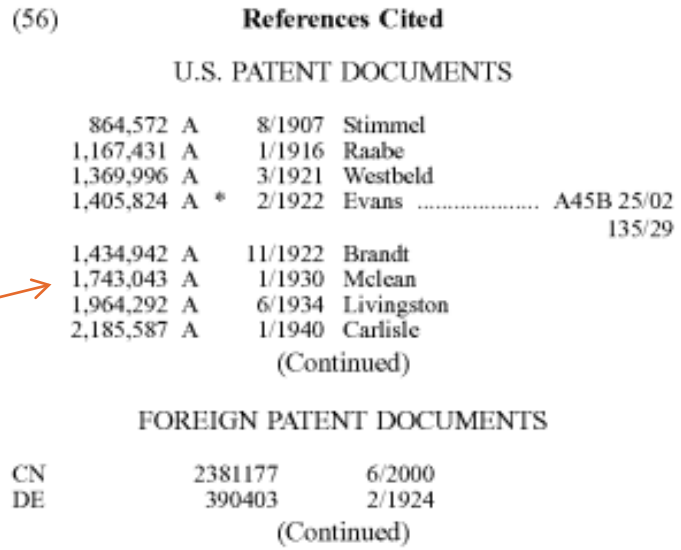
An umbrella has a plurality of ribs attached to a runner by main struts. The umbrella has an anti-inversion mechanism formed of a plurality of anti-inversion struts. Each anti-inversion strut is pivotally coupled to one respective main strut and is pivotally connected to a floating joint member that is freely movable along a length of one respective rib. The anti-inversion mechanism also includes a stop that is fixedly attached to the rib and restricts the degree of travel of the floating joint member along the rib and is positioned to prevent the respective rib from inverting in response to an applied force.

17 Claims, 33 Drawing Sheets

USPTO Search Example – Steps 5 & 6

Step 5: Review Each Relevant Patent in Depth including References Cited during Examination

- HINT: List of the references cited by the Examiner and the Applicant starts on the front page of the patent



(56) **References Cited**

U.S. PATENT DOCUMENTS

864,572	A		8/1907	Stimmel	
1,167,431	A		1/1916	Raabe	
1,369,996	A		3/1921	Westbeld	
1,405,824	A	*	2/1922	Evans	A45B 25/02 135/29
1,434,942	A		11/1922	Brandt	
1,743,043	A		1/1930	Mclean	
1,964,292	A		6/1934	Livingston	
2,185,587	A		1/1940	Carlisle	

(Continued)

FOREIGN PATENT DOCUMENTS

CN	2381177	6/2000
DE	390403	2/1924

(Continued)

Step 6: Retrieve U.S. Patent Applications with CPC, Review and Narrow Results

- Use AppFT tool
- Example: CPC/A45B25/22

USPTO Search – Step 7

Step 7: Broaden Your Search

- Consider inventor(s) and assignees of relevant patents

Searching US Patent Collection...

Results of Search in US Patent Collection db for:
AN/shedrain: 16 patents.
*Hits **1** through **16** out of **16***

Jump To

Refine Search an/shedrain

	PAT. NO.	Title
1	10,092,069	Umbrella having an anti-inversion mechanism
2	9,756,912	Wind resistant umbrella
3	D789,074	Button for a handle
4	9,668,554	Umbrella having an anti-inversion mechanism
5	9,668,553	Umbrella having an anti-inversion mechanism
6	9,609,926	Umbrella having improved shaft and rib assembly
7	D773,799	Button for a handle
8	9,301,582	Umbrella having improved shaft and rib assembly
9	D699,543	Handle
10	D691,446	Handle
11	D689,280	Umbrella having reflective material
12	D652,203	Umbrella having reflective material
13	7,996,961	Pliable handle
14	7,634,839	Pliable handle
15	7,234,205	Pliable handle
16	6,968,599	Pliable handle

Searching US Patent Collection...

Results of Search in US Patent Collection db for:
IN/Haythornthwaite: 33 patents.
*Hits **1** through **33** out of **33***

Jump To

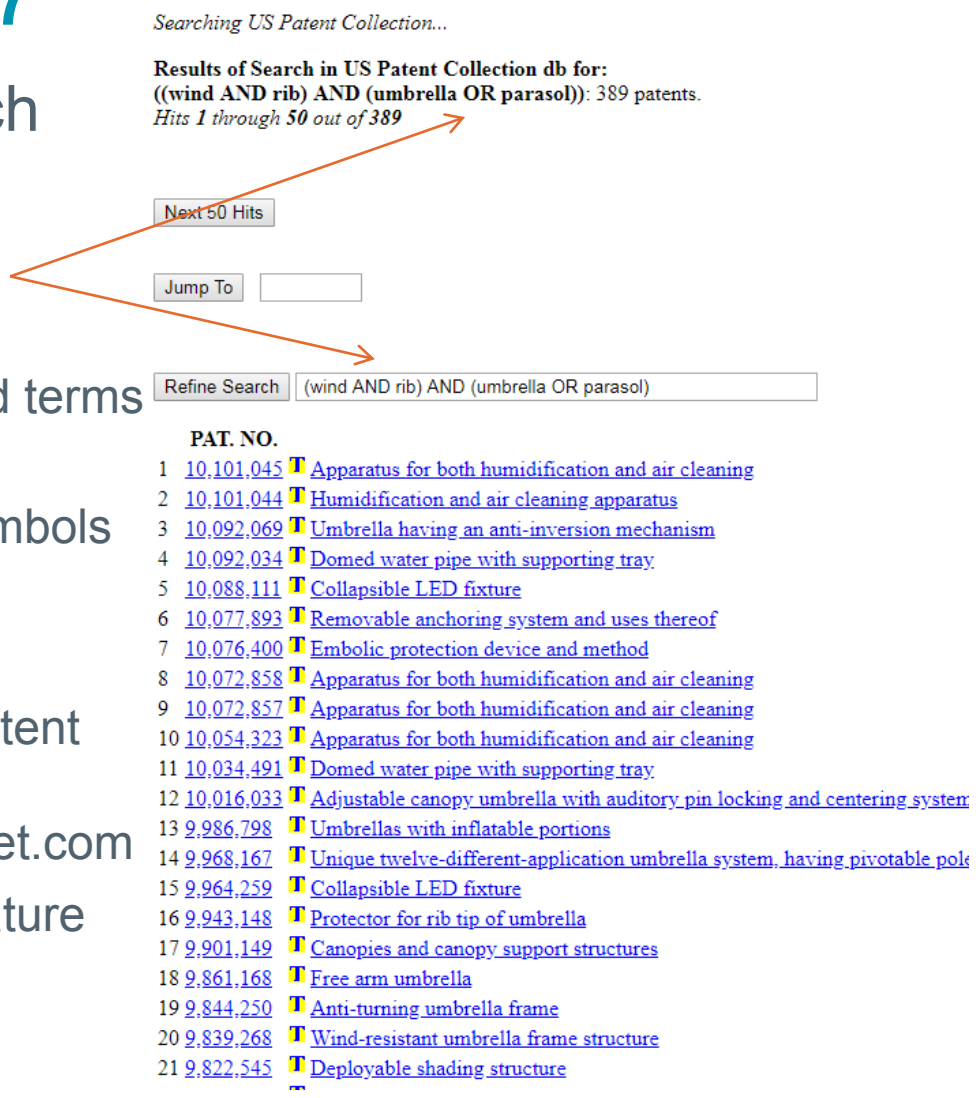
Refine Search in/Haythornthwaite

	PAT. NO.	Title
1	10,092,069	Umbrella having an anti-inversion mechanism
2	9,838,749	System and methods for providing content to vehicles
3	9,756,912	Wind resistant umbrella
4	D789,074	Button for a handle
5	9,668,554	Umbrella having an anti-inversion mechanism
6	9,668,553	Umbrella having an anti-inversion mechanism
7	9,609,926	Umbrella having improved shaft and rib assembly
8	D773,799	Button for a handle
9	9,301,582	Umbrella having improved shaft and rib assembly
10	8,858,038	Lighting apparatus with peak/flat adjustment
11	D713,637	Pocket umbrella and container
12	D699,543	Handle
13	D691,446	Handle
14	8,453,660	Foldable pocket umbrella
15	D481,531	Umbrella handle
16	D466,764	Eating utensil
17	6,453,063	Automatic focused ion beam imaging system and method
18	6,288,393	Automated method of circuit analysis
19	5,647,982	Vacuum filter element
20	D343,351	Container
21	D309,071	Condiment dispenser
22	4,721,222	Combination beverage can carrier device and drinking accessory
23	4,702,004	Glass razor blade and handle
24	4,616,828	Tennis ball
25	4,613,138	Tennis racquet with flexible membrane frame
26	4,597,576	Sports racquet utilizing non-circular strings
27	D283,343	Heater
28	D281,810	Heater

USPTO Search – Step 7

Step 7: Broaden Your Search

- Keyword Searching
  - HINT: Use OR between synonyms
  - HINT: Place phrases and terms of art in quotation marks
  - HINT: Use truncation symbols ($)
- Other sources:
  - Search the Espacenet patent database @ http://worldwide.espacenet.com
  - Search Non-Patent Literature Disclosures



Searching US Patent Collection...

Results of Search in US Patent Collection db for:
((wind AND rib) AND (umbrella OR parasol)): 389 patents.
*Hits **1** through **50** out of **389***

Next 50 Hits

Jump To

Refine Search (wind AND rib) AND (umbrella OR parasol)

	PAT. NO.	
1	10,101,045	Apparatus for both humidification and air cleaning
2	10,101,044	Humidification and air cleaning apparatus
3	10,092,069	Umbrella having an anti-inversion mechanism
4	10,092,034	Domed water pipe with supporting tray
5	10,088,111	Collapsible LED fixture
6	10,077,893	Removable anchoring system and uses thereof
7	10,076,400	Embolic protection device and method
8	10,072,858	Apparatus for both humidification and air cleaning
9	10,072,857	Apparatus for both humidification and air cleaning
10	10,054,323	Apparatus for both humidification and air cleaning
11	10,034,491	Domed water pipe with supporting tray
12	10,016,033	Adjustable canopy umbrella with auditory pin locking and centering system
13	9,986,798	Umbrellas with inflatable portions
14	9,968,167	Unique twelve-different-application umbrella system, having pivotable pole
15	9,964,259	Collapsible LED fixture
16	9,943,148	Protector for rib tip of umbrella
17	9,901,149	Canopies and canopy support structures
18	9,861,168	Free arm umbrella
19	9,844,250	Anti-turning umbrella frame
20	9,839,268	Wind-resistant umbrella frame structure
21	9,822,545	Deployable shading structure

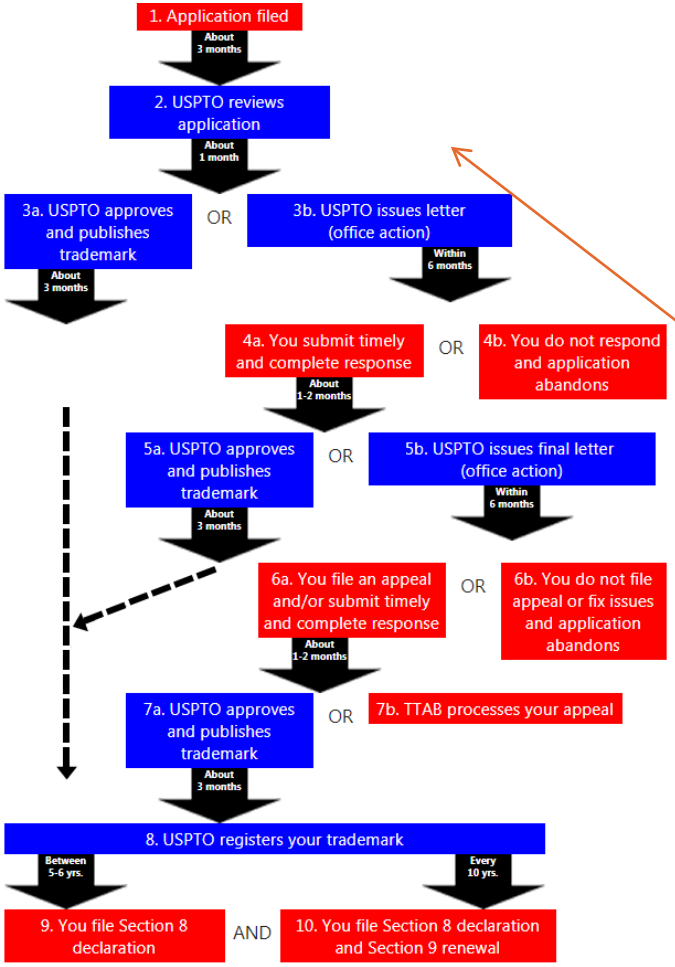
Trademark Procurement

- USPTO's Trademark Process
- www.uspto.gov/trademarks-getting-started/trademark-process

1. Is a trademark application right for you?
2. Get ready to apply
3. Prepare and submit your application
4. Work with the assigned USPTO examining attorney
5. Receive approval/denial of your application
6. Maintain your registration

TM → ®

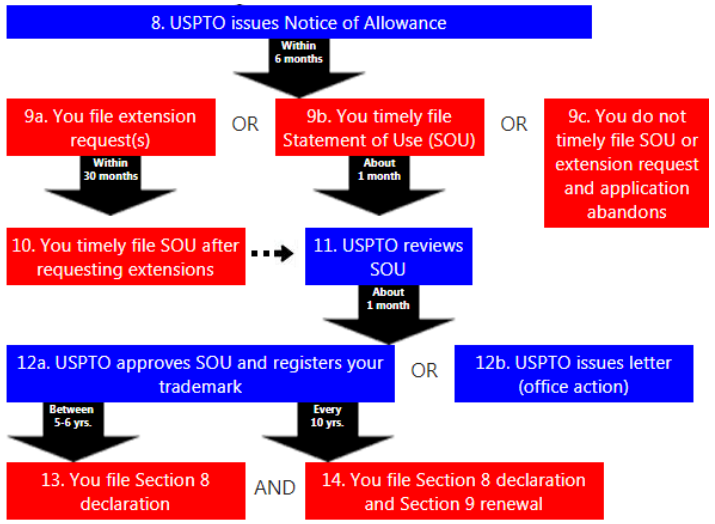
Trademark Procurement - flowcharts



1(a) Basis Use-in-Commerce

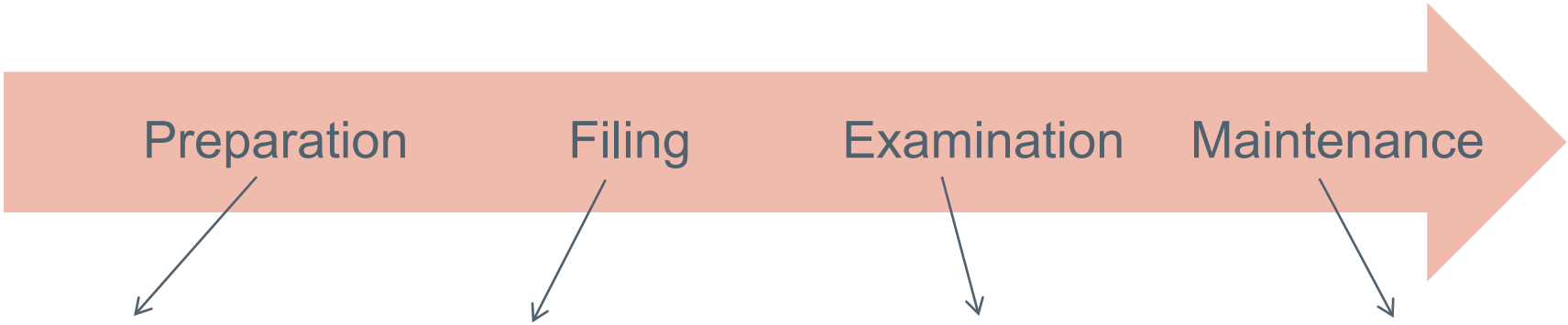
1(b) Basis Intent-to-Use

Follow 1(a) timeline, then…



www.uspto.gov/trademark/trademark-timelines/trademark-application-and-post-registration-process-timelines

Trademark Procurement – a financial timeline



Preparation

Your Time

+

Attorney Time

Search Fees?

Filing

Filing Fee - $400/class (or $275/class if electronic filing)

Examination

Your Time

+

Attorney Time

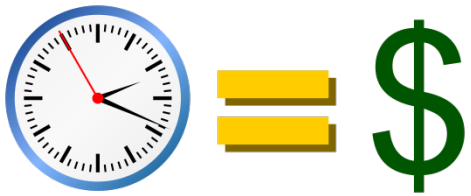
Statement of Use - $100/class

Extension of Time - $125/class

Maintenance

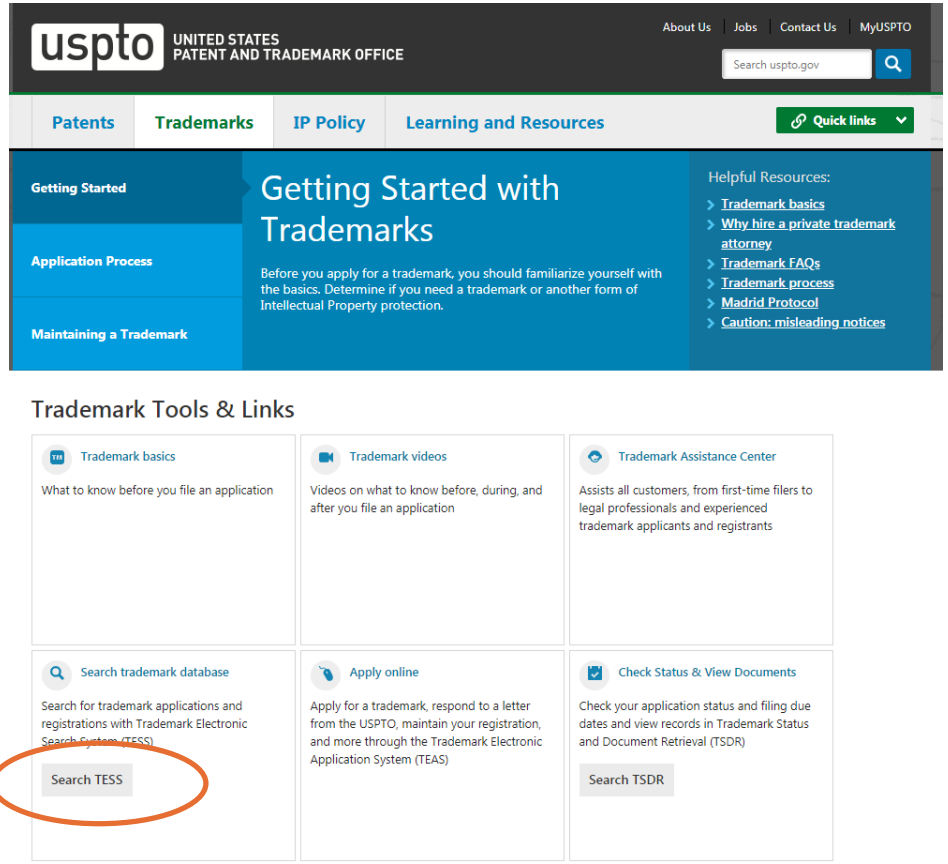
§8 Affidavit between 5th & 6th years - $125/class

§§8 and 9 Affidavit every ten years - $425/class

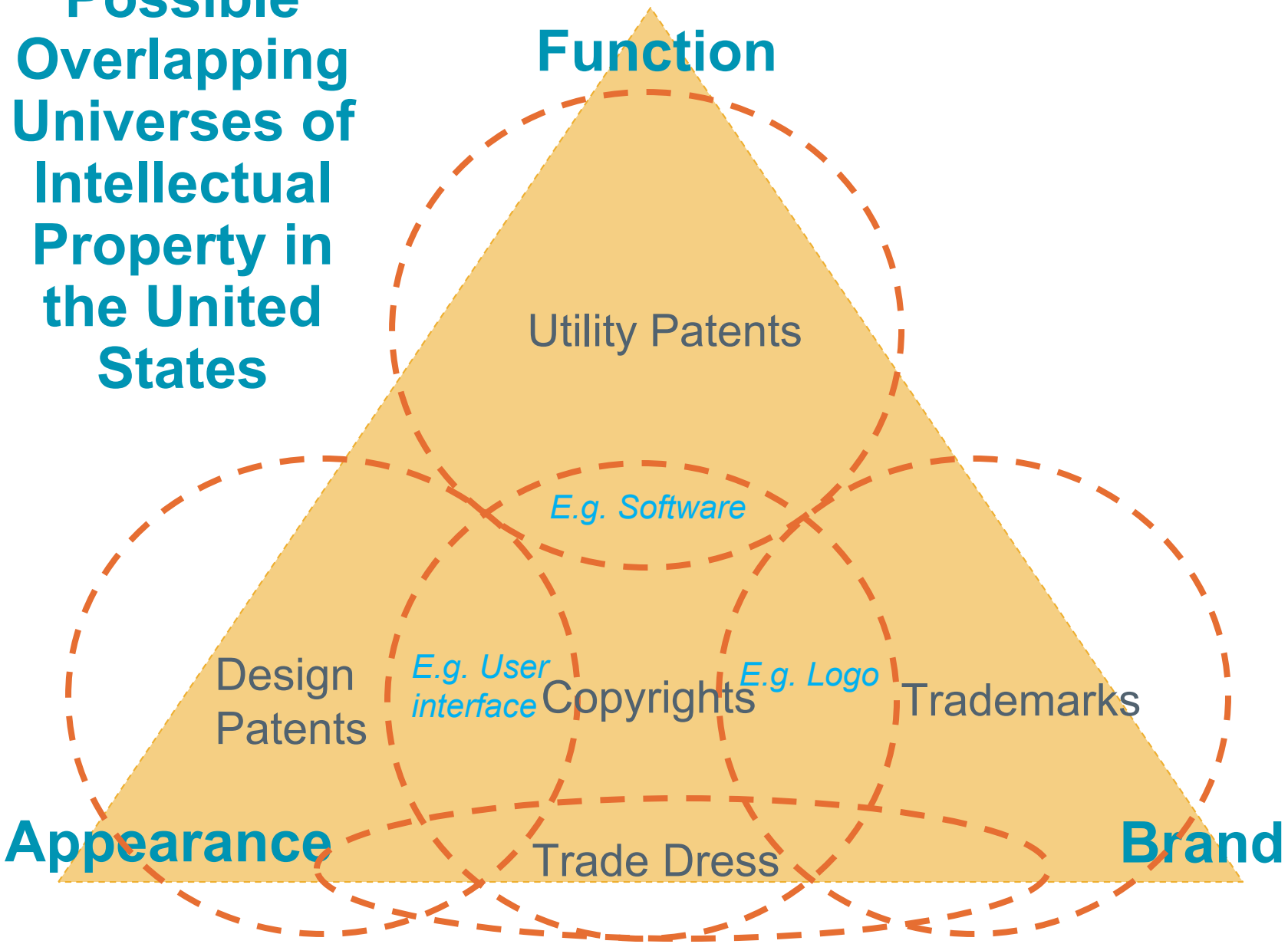


Trademark Searching

- www.uspto.gov/trademark
- Exact mark
- Part(s) of the mark
  - ❖ HINT: Try sounds-like searching
  - Combine part(s) of the mark with an International Classification (IC) (Find @ www.wipo.int/classifications/nice/en/)
  - Combine part(s) of the mark with goods or services
- Other sources: common law use (search online)

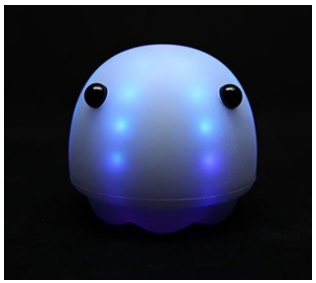


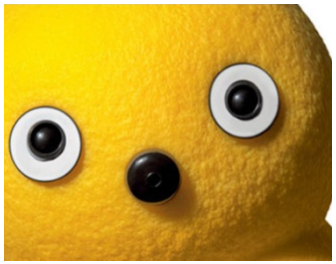
Possible Overlapping Universes of Intellectual Property in the United States



Case Study #1 – Beatbots LLC

- Founded by a CMU graduate student, Marek Michalowski
- Website: http://beatbots.net/
- Products and Services
  - Robots
  - Software
  - Apparel
  - More?





- Intellectual Property
  - Utility Patents (search at www.uspto.gov)
  - Design Patents (search at www.uspto.gov)
  - Trademarks (search at www.uspto.gov)
  - Copyrights (search at www.copyright.gov)
  - More?

Beatbots's Brand

- Trademarks
  - Registered U.S. trademark BEATBOTS in International Classes 9 (electrical and scientific aparatus), 25 (apparel), and 28 (games and playthings)
  - Unregistered marks?
- Copyrights?
- Trade Dress?

Beatbots's Blennie

- A wobbling robot that exhibits vestibulo-ocular reflex
- http://beatbots.net/blennie
- Intellectual Property
  - Utility Patent: U.S. Patent No. 9,358,475, which claims priority to a provisional patent application
  - Design Patent: U.S. Design Patent No. D714,881
  - Trademarks?
  - Copyright?
  - Trade Dress?

Beatbots's Ploomi

- A glowing, touch-sensitive, interactive robotic character
- http://beatbots.net/ploomi
- Intellectual Property
  - Utility Patent: U.S. Patent No. 9,421,688, which claims priority to a provisional patent application
  - Design Patent: U.S. Design Patent No. D714,883
  - Trademarks?
  - Copyright?
  - Trade Dress?

Beatbots's metrognōm

- A metronome and a metro-gnome
- http://beatbots.net/metrognom
- Intellectual Property
  - Design Patent: U.S. Design Patent No. D714,888
  - Trademarks?
  - Copyright Registration Nos. VAu001149651 (color drawing), VAu001149660 (line drawing), VAu001149726 (sculpture)
  - Trade Dress?

Case Study #2: Uber Technologies Inc.

- Provider of a mobile application that allows users to request transportation services and automatically sends the closest available Uber driver to the user
- Founded in 2009
- Currently available in over 60 countries
- www.uber.com

Uber's Intellectual Property

- Issued U.S. Utility Patents
- Issued U.S. Design Patents
- Issued foreign patents (Canada and Europe)
- Pending U.S. and foreign patent applications
- Registered U.S. Trademarks, including:
  - UBER
  - UBEREATS
  - UBERRUSH
  - UBERX
  - EVERYONE'S PRIVATE DRIVER
  - UBERCAB

US009230292B2

(12) **United States Patent**
Amin et al.

(10) **Patent No.: US 9,230,292 B2**
(45) **Date of Patent: Jan. 5, 2016**

(54) **PROVIDING ON-DEMAND SERVICES THROUGH USE OF PORTABLE COMPUTING DEVICES**

(71) Applicant: **Uber Technologies, Inc.**, San Francisco, CA (US)

(72) Inventors: **Shalin Amin**, San Francisco, CA (US); **Mina Radhakrishnan**, San Francisco, CA (US); **Paul-Phillip Holden**, San Francisco, CA (US); **Curtis Chambers**, San Francisco, CA (US)

(73) Assignee: **Uber Technologies, Inc.**, San Francisco, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 248 days.

(21) Appl. No.: **13/672,634**

(22) Filed: **Nov. 8, 2012**

(65) **Prior Publication Data**

US 2014/0129951 A1 May 8, 2014

(51) **Int. Cl.**

G06F 3/0484	(2013.01)
G06Q 50/30	(2012.01)
G06Q 30/06	(2012.01)
G08G 1/00	(2006.01)
H04L 29/08	(2006.01)
H04W 4/02	(2009.01)

(52) **U.S. Cl.**

CPC ***G06Q 50/30*** (2013.01); ***G06F 3/0484*** (2013.01); ***G06Q 30/06*** (2013.01); ***G08G 1/202*** (2013.01); ***H04L 67/18*** (2013.01); *H04W 4/02* (2013.01)

(58) **Field of Classification Search**

None

See application file for complete search history.

(56) **References Cited**

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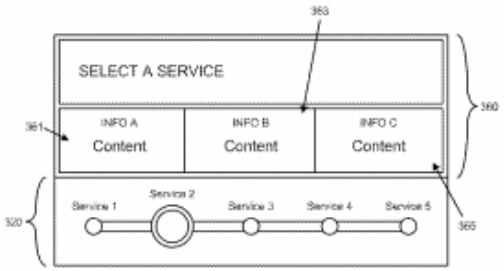
Primary Examiner — Ryan Barrett

(74) *Attorney, Agent, or Firm* — Mahamedi Paradice LLP

(57) **ABSTRACT**

A method for requesting an on-demand service on a computing device is provided. One or more processors determine the current location of the computing device. A multistate selection feature of a plurality of service options for providing the on-demand service is presented on the display of the computing device. The multistate selection feature enables a user to select a service option that is available within a region that includes the current location to provide the on-demand service. In response to the user selecting one of the plurality of service options, a summary user interface is presented on the display to provide region-specific information about the on-demand service based on the selected service option.

18 Claims, 15 Drawing Sheets



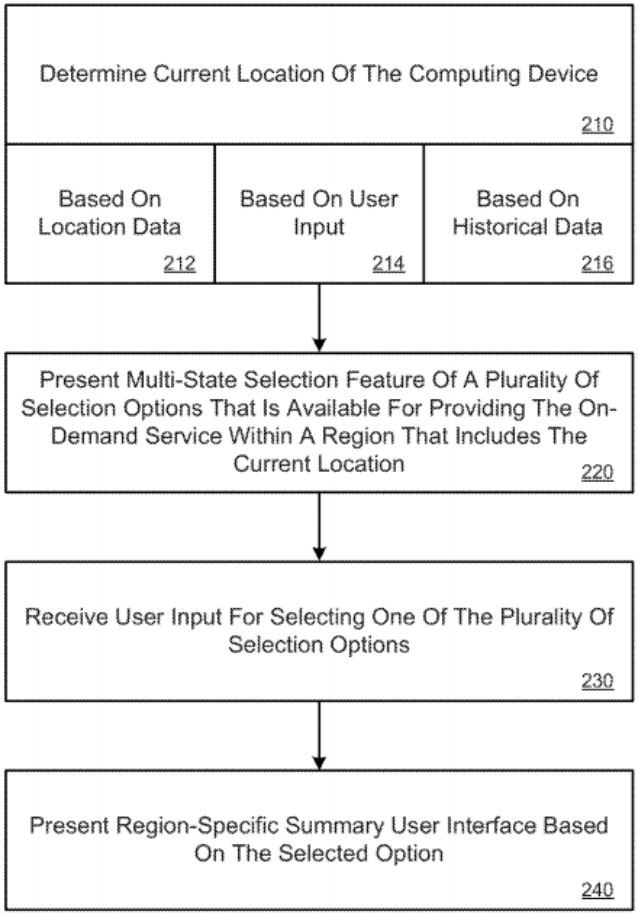


FIG. 2

Independent Claim 1 in U.S. Patent No. 9,230,292

What is claimed is:

1. A method for providing information about an on-demand service on a computing device, the method being performed by one or more processors and comprising:

determining, via a global positioning system (GPS) component of the computing device, a current location of the computing device;

providing, on a display of the computing device, a multistate selection feature that is operative by a user to select one of multiple states, each of the multiple states being associated with a corresponding transport service option that is available for request by a user operating the computing device at the current location of the computing device, wherein the transport service option that is associated with each state includes a fare or unit cost which is different than a fare or unit cost of the transport service option associated with each of the other states of the multiple states;

receiving, in connection with the multistate selection feature, a user input to select one of the multiple states;

in response to receiving the user input, corresponding to the selected state, providing, on the display, a user interface to provide service-specific information that is specific to the transport service option associated with the selected state, the service-specific information including location-specific information that is based on the current location of the computing device and a location of one or more service providers of the transport service option associated with the selected state, and cost information about the fare or unit cost of the transport service option associated with the selected state; and

wherein the multistate selection feature includes (i) a track, and (ii) a sliding feature that can be moved amongst multiple positions along the track by the user input to select any one of the multiple states; and

wherein the sliding feature includes a graphic indicator that is dynamically changed to represent the transport service option of the selected state as the sliding feature is moved amongst the multiple positions.

US00D724620S

(12) United States Design Patent

Hansen et al.

(10) Patent No.: US D724,620 S
(45) Date of Patent: ** Mar. 17, 2015

(54) **COMPUTING DEVICE DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE**

(71) Applicant: **Uber Technologies, Inc.**, San Francisco, CA (US)

(72) Inventors: **Richard Gary Hansen**, San Francisco, CA (US); **Travis Cordell Kalanick**, San Francisco, CA (US)

(73) Assignee: **Uber Technologies, Inc.**, San Francisco, CA (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/436,687**

(22) Filed: **Nov. 8, 2012**

(51) **LOC (10) Cl.** **14-04**

(52) **U.S. Cl.**
USPC **D14/489**

(58) **Field of Classification Search**
USPC D14/485–495; D5/63; D19/5–8; D20/11; 345/440–442; 348/14.03; 715/212, 215, 221, 706, 733, 763, 770, 715/773, 777, 779, 782, 783, 786, 792, 793, 715/809, 810, 846, 849, 867, 977, 976, 835, 715/211
See application file for complete search history.

(56) **References Cited**

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Primary Examiner — Karen S Acker
(74) *Attorney, Agent, or Firm* — Mahamedi Paradice LLP

(57) **CLAIM**

The ornamental design for a computing device display screen with graphical user interface, as shown and described.

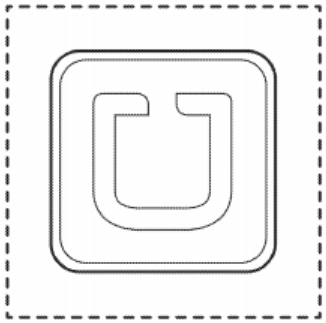
DESCRIPTION

FIG. **1** is an enlarged front view of a computing device display screen with graphical user interface, under a first embodiment; and,

FIG. **2** is a front view of a computing device display screen with graphical user interface, under a second embodiment.

The broken lines showing portions of a computing device display screen in FIGS. **1** and **2** represent environmental subject matter that forms no part of the claimed design. The broken line within the solid line perimeter of the design in FIG. **2** represents a portion of the computing device display screen with graphical user interface that forms no part of the claimed design.

1 Claim, 2 Drawing Sheets



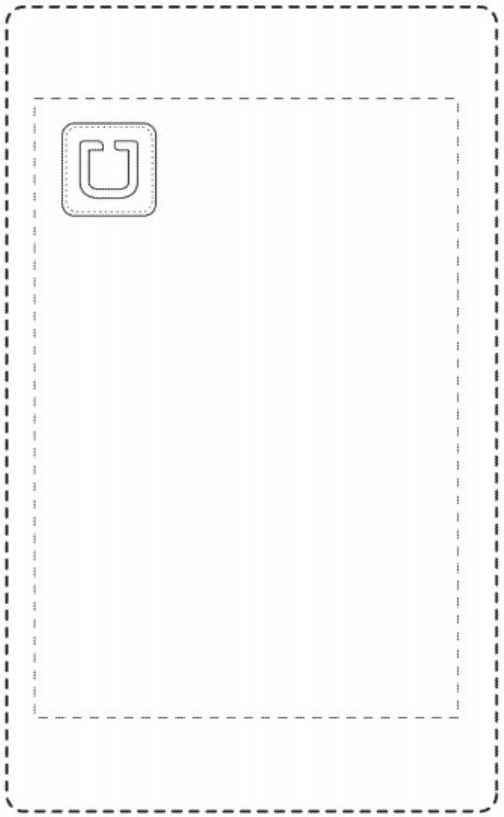


FIG. 2

US00D760283S

(12) United States Design Patent

Horiuchi et al.

(10) Patent No.: US D760,283 S
(45) Date of Patent: ** Jun. 28, 2016

(54) **COMPUTING DEVICE DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE**

(71) Applicant: **UBER TECHNOLOGIES, INC.**, San Francisco, CA (US)

(72) Inventors: **Carol Horiuchi**, Brisbane, CA (US); **Shalin Amin**, San Francisco, CA (US)

(73) Assignee: **Uber Technologies, Inc.**, San Francisco, CA (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/509,772**

(22) Filed: **Nov. 20, 2014**

(51) **LOC (10) Cl.** **14-04**

(52) **U.S. Cl.**
USPC **D14/489**

(58) **Field of Classification Search**
USPC D14/485–495
CPC ... G06F 3/048; G06F 3/0481; G06F 3/04812; G06F 3/04815; G06F 3/04817; G06F 3/0482; G06F 3/0483; G06F 3/0484; G06F 3/04842; G06F 3/04845; G06F 3/04847; G06F 3/0485; G06F 3/04855; G06F 3/0486; G06F 3/0487; G06F 3/0488; G06F 3/04883; G06F 3/04886
See application file for complete search history.

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Primary Examiner — Melanie H Tung
Assistant Examiner — Bao-Yen Nguyen
(74) *Attorney, Agent, or Firm* — Mahamedi Paradice LLP

(57) **CLAIM**

The ornamental design for a computing device display screen with graphical user interface, as shown and described.

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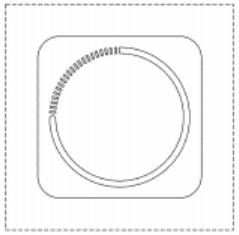
FIG. **2** is a front view of a computing device display screen with graphical user interface, under a second embodiment.

The broken lines showing a portion of a computer device display screen in FIGS. **1** and **2** represent environmental subject matter that forms no part of the claimed design.

1 Claim, 2 Drawing Sheets



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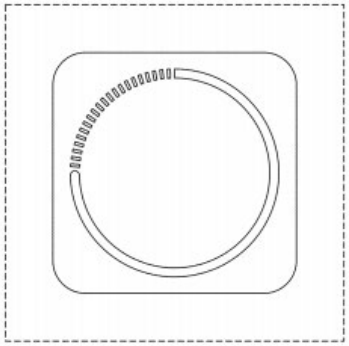


FIG. 1

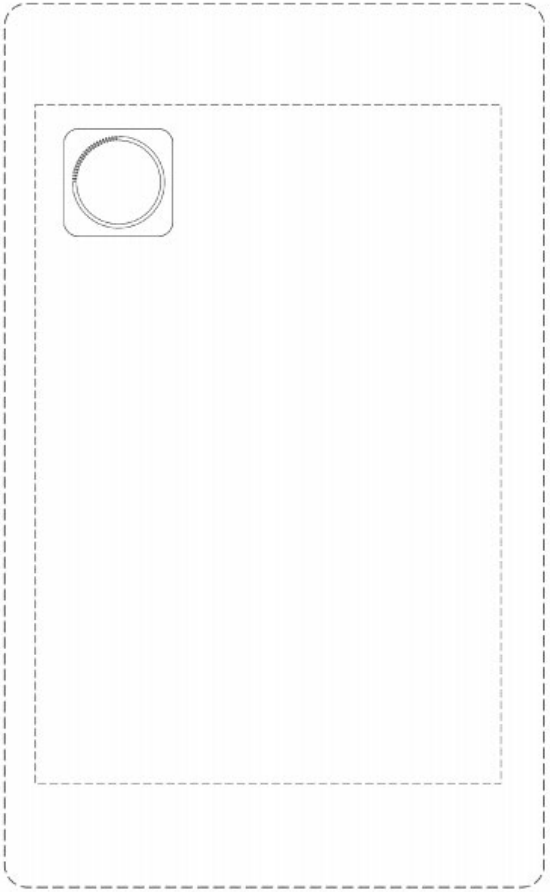
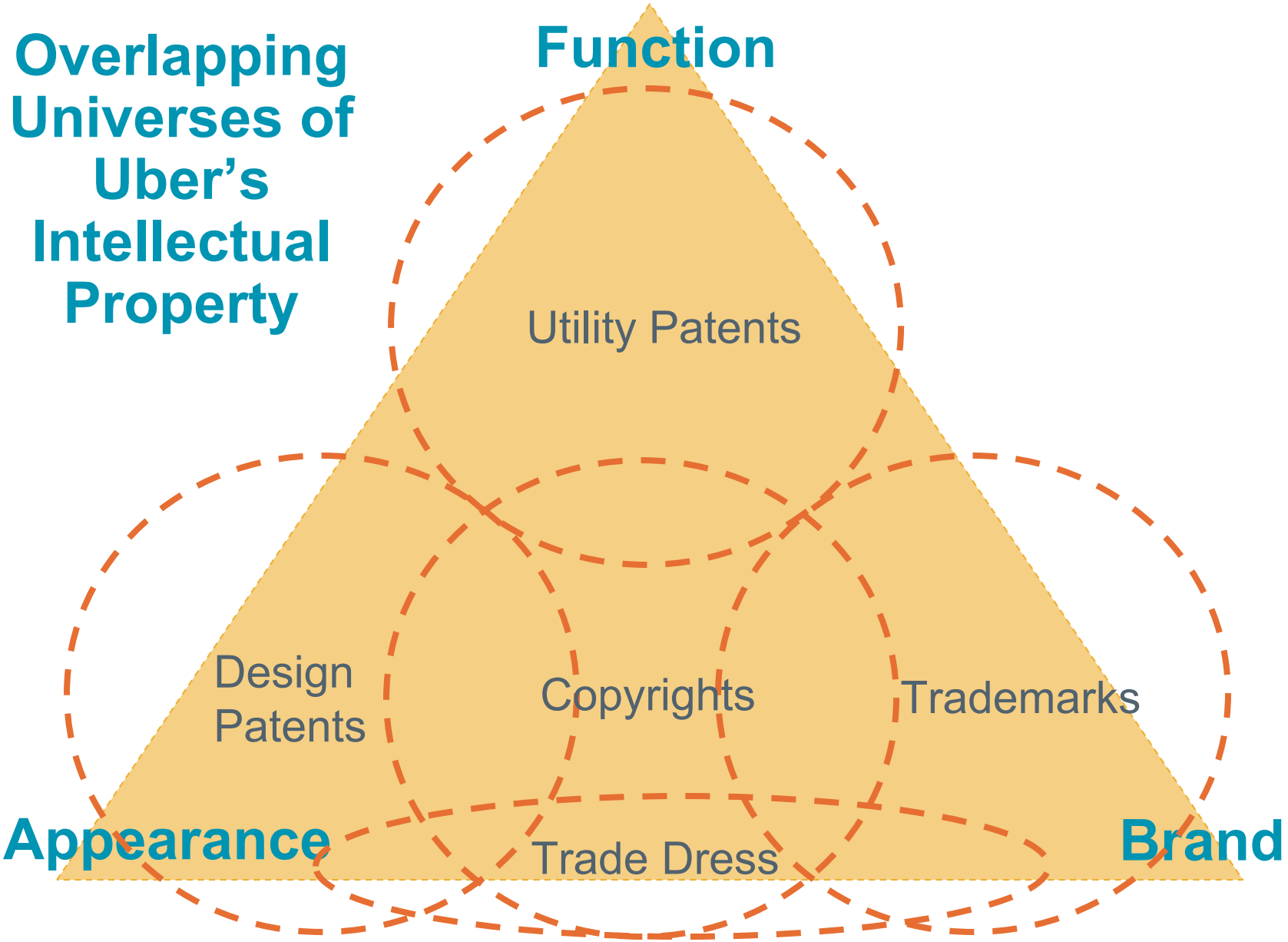


FIG. 2

Overlapping Universes of Uber's Intellectual Property



THANK YOU!

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