

PATENT ROADSHOW 2019-2020

16 April, Teknopark İstanbul, KTMM
17 April, connect4tech - Future of Mobility
25 April, TÜBİTAK-MAM, Gebze
25 April, Finansbank, İstanbul
29 April, Marmara University, İstanbul
30 April, TÜSSİDE, Ankara
2-3 May, GİGAP, Şanlıurfa
6-8 May, Search Matters, Munich
14 May, connect4tech - Future of Energy
23-28 May, LESI Annual Conference, Japan
17-18 June, EU IP Helpdesk, Brussels
5-7 September, Cappadocia IP, Kayseri
25 September, İzmir Chamber of Commerce
26-28 September, IP CAMP 2019, Çeşme
2-3 October, AUTM Bangkok, Thailand
17-18 October, IP Conference, İstanbul
26-27 November, USIMP Patent Fair
12-13 December, EU IP Helpdesk, Berlin
03 March, EPO-EU IP Helpdesk, İstanbul
16 January, İAYOSB, İstanbul
22 January, TOSB Innovation, İstanbul



Eğitmen Hakkında



You are invited to a lunchtime discussion about

Monday, April 11, 2016

IP Management and Technology Transfer by Universities and Research Institutes

Featuring experts

► **KERRY FAUL**

Head of National IP Management Office (NIPMO), South Africa

► **MUSTAFA ÇAKIR**

Manager of IP Rights and Licensing, Ege University, Turkey

► **GABRIEL CLERC**

Head of EPFL Technology Transfer Office (EPFL-TTO), Switzerland

The discussion will take place **1:30 - 3pm**
at **WIPO** in room **NB 0.107**.

A light lunch will be served at **1pm**.

Sponsored by

innovation
INSIGHTS



Tuesday, 13 November 2018

09.00 - 10.15 hrs Short exhibitor presentations

10.15 - 10.45 hrs Coffee break

10.45 - 12.30 hrs Richard Flammer, Principal Director, EPO

20 years Espacenet, 30 years European patent information, 40 years INPADOC legal status

Nigel Clarke, EPO

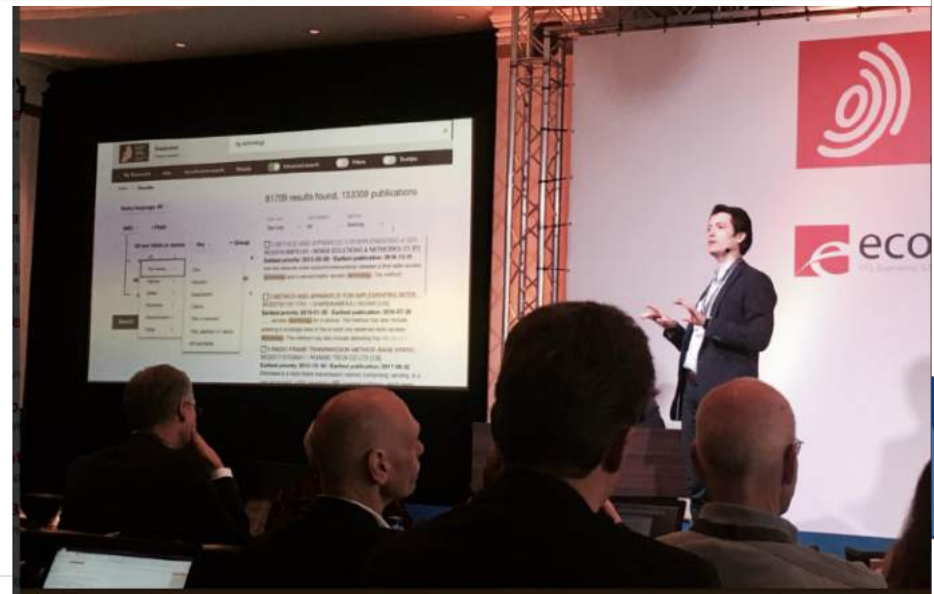
Introduction to new Espacenet

Interesting new features and a user's first impression

Heiko Wongel, **Roland Feinäugle**, **Johannes Schaaf** – EPO

Mustafa Çakır, RTTP, Industry Collaboration and Technology Licensing Office, Sabanci University

12.30 - 14.00 hrs Lunch



Sınai Mülkiyet Hakları

```
graph TD; A[Sınai Mülkiyet Hakları] --> B[Patent]; A --> C[Faydalı Model]; A --> D[Marka]; A --> E[Tasarım]; A --> F[Coğrafi İşaret];
```

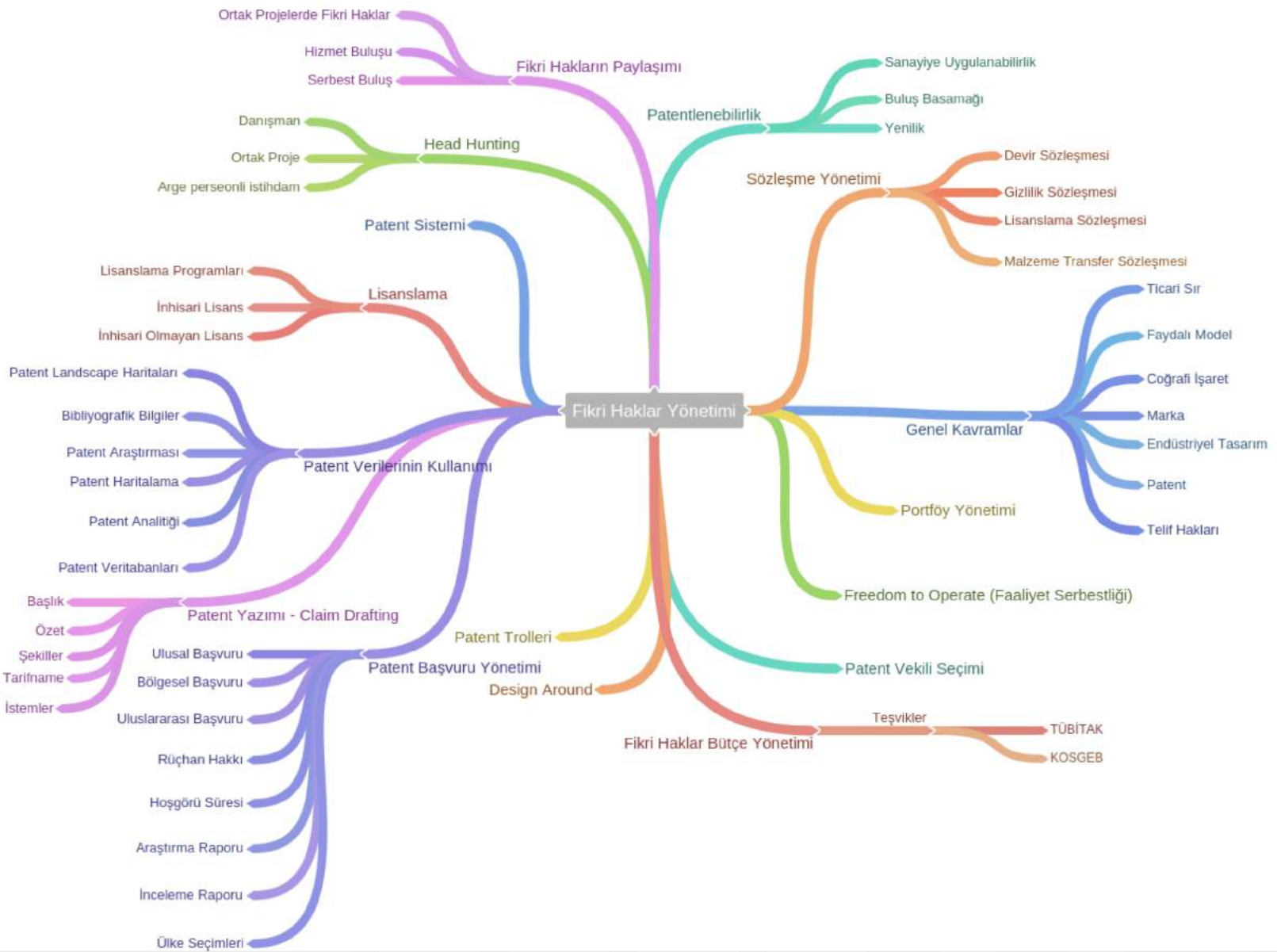
Patent

Faydalı
Model

Marka

Tasarım

Coğrafi
işaret



Fikir?

**Göz kırparak kanal deęiřtirme, sesini yükseltme?
Kontak lens ile kan řekeri ölçümü?**





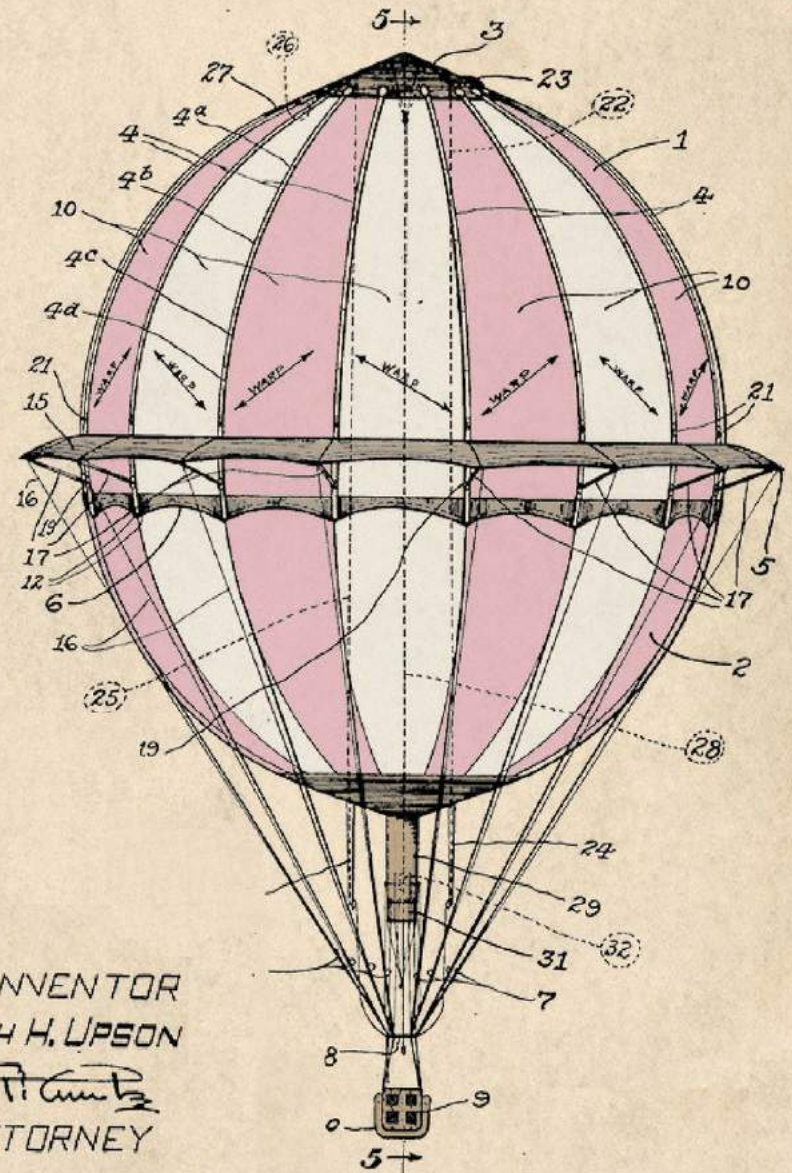
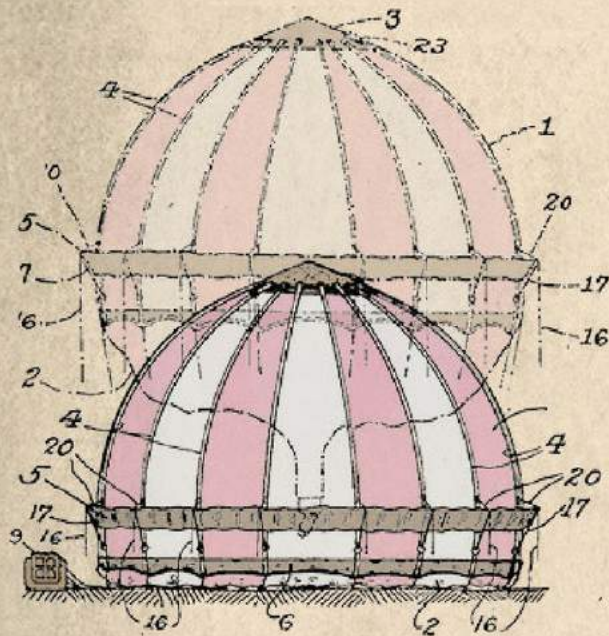
Buluş Nedir?

**Bilinen bilgilerden yola
ıkarak daha nce
bilinmeyen yeni bir bulguya
ulařma ya da yntem
geliřtirme, icat**



R. H. UPSON BALLOON

1,553,340
Sept. 15, 1925.



INVENTOR
RALPH H. UPSON
BY *Hermann T. Amstutz*
ATTORNEY

PATENT nedir?

**Buluş sahibinin izni
olmadan başkalarının
buluşu üretmesini,
kullanmasını veya satmasını
belirli bir süre boyunca
engelleme hakkıdır.**

Patent Nedir?

- Bu hakla birlikte buluş sahibi, buluşunu topluma açıklamakla yükümlüdür.
- **Koruma;**
- Belirli bir zaman periyodu ile
- Belirli ülkelerde geçerlidir.

(19)  **European Patent Office**
Office européen des brevets

(11) **EP 1 741 472 A2**

(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication: **10.01.2007** Bulletin 2007/02 (51) Int. Cl.: **A62B 17/00 (2006.01)** **A41D 13/00 (2006.01)**

(21) Application number: **06122328.5**

(22) Date of filing: **15.02.2001**

(84) Designated Contracting States: **DE FR GB IT**

(30) Priority: **03.03.2000 US 517919**

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: **01912744.8 / 1 259 294**

(71) Applicant: **LION APPAREL, INC.**
Dayton, OH 45413-0576 (US)

(72) Inventor:
• **Aldridge, Donald**
New Carlisle, OH 45344 (US)

(74) Representative: **Asquith, Julian Peter Marks & Clerk,**
4220 Nash Court,
Oxford Business Park South
Oxford OX4 2RU (GB)

Remarks:
This application was filed on 16 - 10 - 2006 as a divisional application to the application mentioned under INID code 62.

(54) **Firefighting garment**

(57) A protective garment comprises an outer shell of an abrasion, flame and heat resistant material; a thermal barrier/moisture barrier composite positioned between the outer shell and a wearer of the garment, the thermal barrier/moisture barrier composite including a substantially liquid-impermeable membrane bonded to one surface of a heat and flame resistant fabric substrate, and a first layer of heat and flame resistant insulating material attached to an opposite surface of the fabric substrate; a face cloth positioned between the thermal barrier/moisture barrier composite and a wearer of the garment; and a second layer of heat and flame resistant insulating material attached to the face cloth and positioned between the thermal barrier/moisture barrier composite and face cloth.

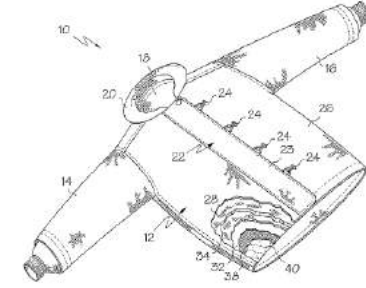


FIG. 1

Printed by Jouve, 75001 PARIS (FR)

EP 1 741 472 A2

(19)



(11) EP 1 741 472 A2

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:
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(84) Designated Contracting States:
DE FR GB IT

• Taylor, Frank, P.
Dayton, OH 45409 (US)

(30) Priority: 03.03.2000 US 517919

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Marks & Clerk,
4220 Nash Court,
Oxford Business Park South
Oxford OX4 2RU (GB)

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
01912744.9 / 1 259 294

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(57) A protective garment comprises an outer shell
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and a first layer of heat and flame resistant insulating
material attached to an opposite surface of the fabric sub-
strate; a face cloth positioned between the thermal bar-
rier/moisture barrier composite and a wearer of the gar-
ment; and a second layer of heat and flame resistant
insulating material attached to the face cloth and posi-
tioned between the thermal barrier/moisture barrier com-
posite and face cloth.

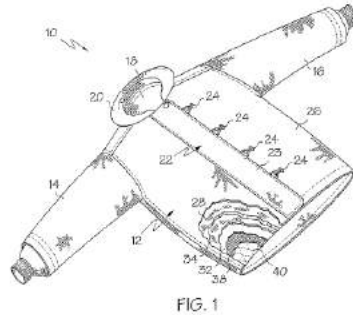


FIG. 1

Printed by Jouve, 75001 PARIS (FR)

NEDEN PATENT BAŞVURUSUNDA BULUNAYIM?

NE İŞİME YARAR?

EP 1 741 472 A2



Prestij kazandırır





Fig. 4

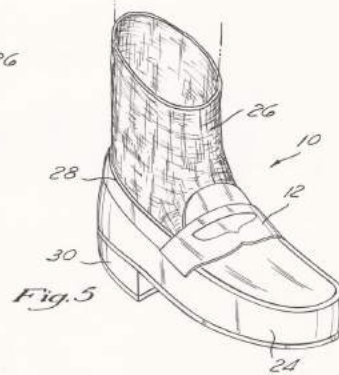


Fig. 5

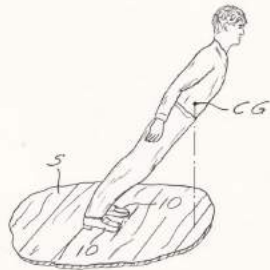


Fig. 6



Fig. 14

Fig. 7

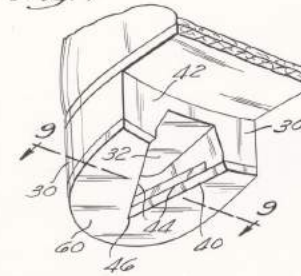


Fig. 10

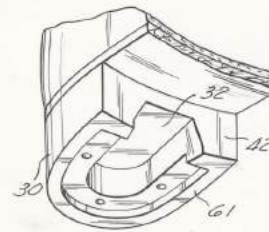
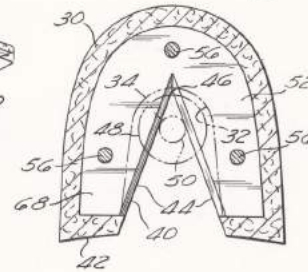


Fig. 8

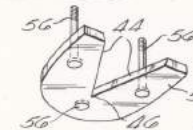
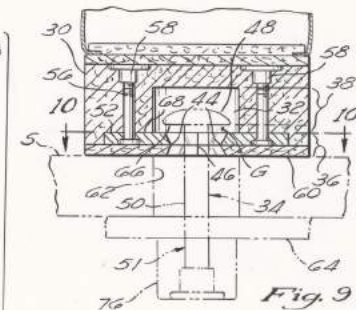


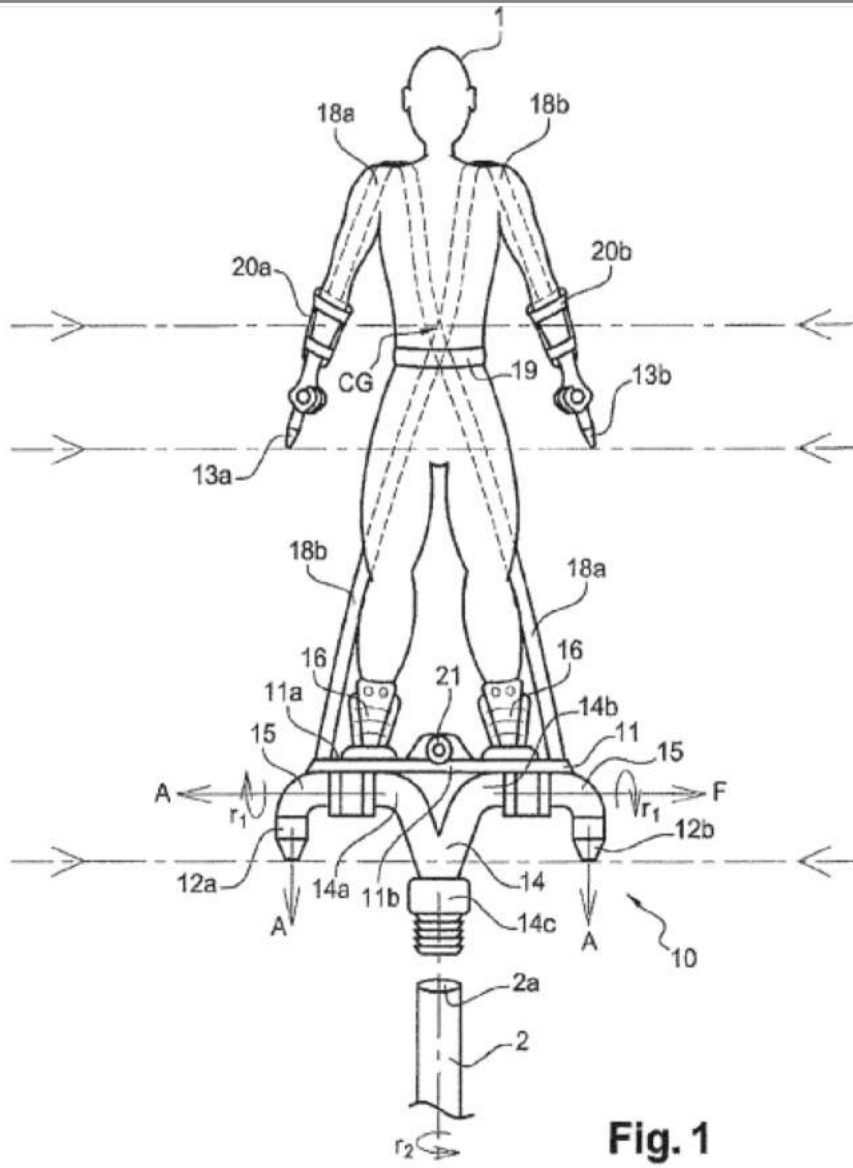
Fig. 9



US5255452 (A) — 1993-10-26



 ZAPATA



Frankie Zapata

US8851943 (B2)

11 patent



APPLE

Patent Portfolio:

22.140

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FACEBOOK

Patent Portfolio:

5.075

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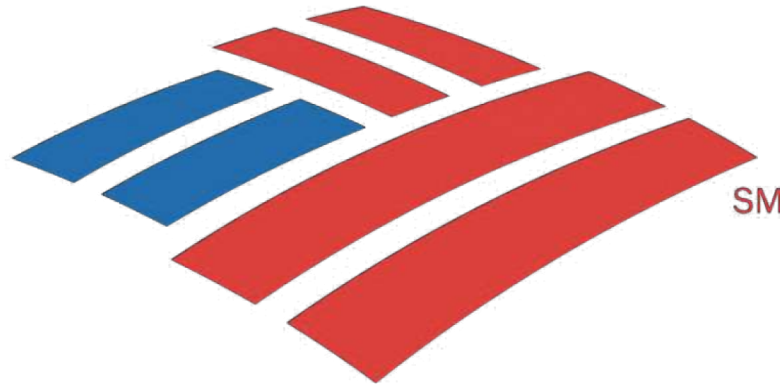
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Patent Portfolio:

29.370

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Bank of America®



Bank of America®



4.680

Lisans verme imkanı

A close-up photograph of a hand holding a black fountain pen with a gold nib, signing a document. The document is a form with various fields and numbers. A blue ink signature is visible on the line. The background is slightly blurred, showing more of the document and the hand.

Buluşunuzdan **para** kazandırır



**Elektrik
lambası
iin ilk kim
patent
bařvurusu
yaptı?**





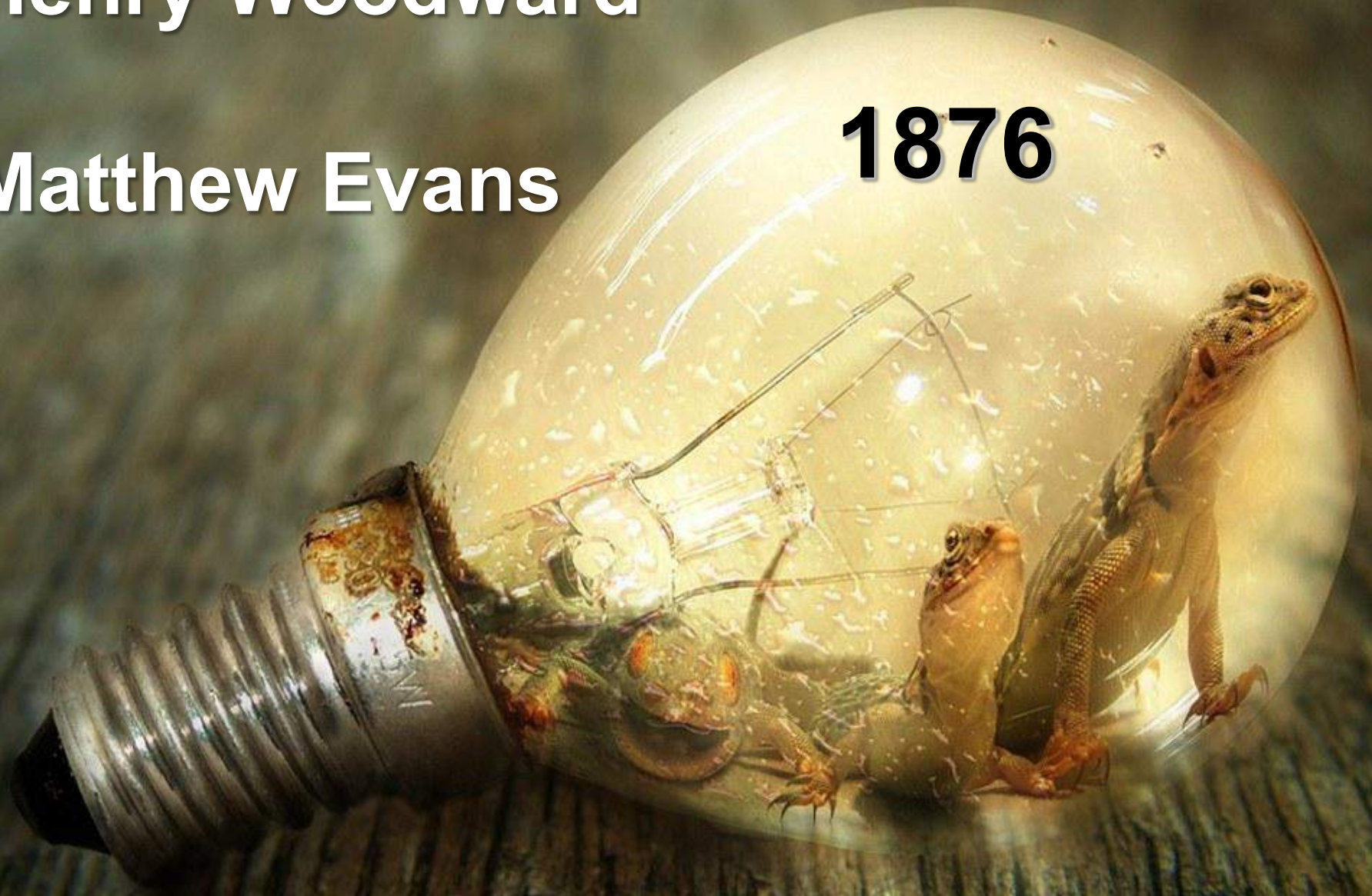
**"I haven't failed.
I've just found
10,000 ways
that won't work."**

Thomas Edison

Henry Woodward

Matthew Evans

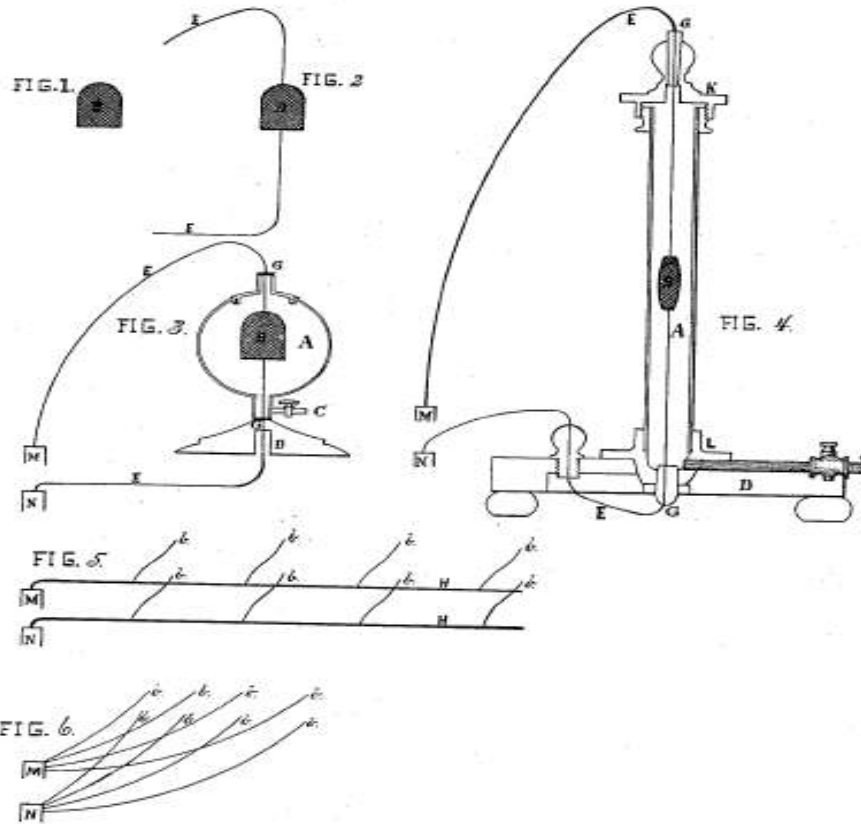
1876



H. WOODWARD.
ELECTRIC LIGHT

No. 181,613.

Patented Aug. 29, 1876.



WITNESSES
Geo. J. Smallwood
John Roby

INVENTOR
Henry Woodward
By *John J. Woodward* Attorney

Henry
Woodward

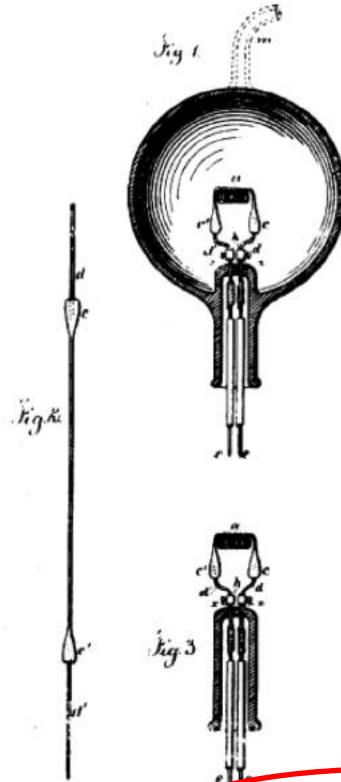
5000



T. A. EDISON.
Electric-Lamp.

No. 223,898.

Patented Jan. 27, 1880.



Witnesses
Charles Smith,
Geo. D. Amory.

Inventor
Thomas A. Edison

per Lemuel W. Perrett,

att'y.

Thomas Edison



Patent Başvurusu

- Tarifname
- İstemler
- Özet
- Resimler

Patent Verilebilirlik Şartları?



Yenilik



Buluş Basamağı



**Sanayiye
Uygulanabilir Olması**



Faydalı Model Nedir?



Maliyeti Düşük



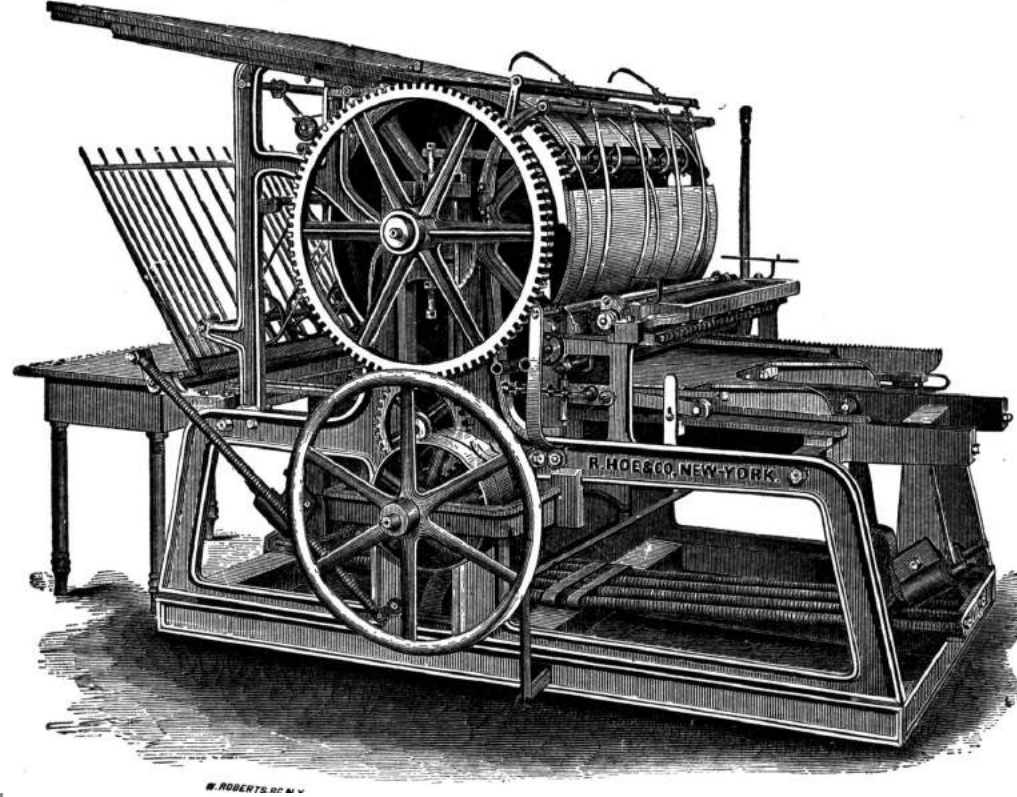
Hızlı



Koruma Süresi

SANAYİYE UYGULANABİLİR OLMASI

Birden çok üretilebilir
veya tekrar edilebilir olmak



SANAYİYE UYGULANABİLİR OLMASI

- Pratikte uygulanamayacak buluşlar (Ozon tabakasının korunması için tüm atmosfere plastik film kaplanması)
- Doğa kanunlarına, temel fizik yasalarına aykırı buluşlar (Enerjinin korunumuna aykırı olan sonsuz enerji düzenekleri, devridaim makinaları)

YENİLİK

think new

**başvurudan önce yayınlanmamış veya kamuya
açıklanmamış olmak**

Buluşunuzun
yeni olup olmadığını
nasıl test ediyorsunuz?





Bilimsel makale araştırdım!





O2 MAGNETIC DUMBBELL can do lots of different exercises with using electromagnets.
Electromagnets can be varied in weights with electric power as the user wants.
Also, It is possible to exercise with various postures with it.

Technology scouting **fikir avcılığı!**

**Buluş dediğimiz şey herkesle aynı yere
bakıp farklı bir şeyler düşünebilmektir.**

Albert Szent-Györgyi

Discover / Technology / Most Funded



FORM 1: An affordable, professional 3D printer
by Formlabs

An affordable, high-resolution 3D printer for professional creators.

📍 Cambridge, MA

SUCCESSFUL!

2,945%	\$2,945,885	FUNDED
FUNDED	PLEDGED	OCT 28, 2012



Oculus Rift: Step Into the Game
by Oculus

Developer kit for the Oculus Rift - the first truly immersive virtual reality headset for video games.

📍 Long Beach, CA

SUCCESSFUL!

974%	\$2,437,429	FUNDED
FUNDED	PLEDGED	SEP 01, 2012



3Doodler: The World's First 3D Printing Pen
by WobbleWorks LLC.

It's a pen that can draw in the air! 3Doodler is the 3D printing pen you can hold in your hand. Lift your imagination off the page!

📍 Boston, MA

SUCCESSFUL!

7,813%	\$2,344,134	FUNDED
FUNDED	PLEDGED	MAR 25, 2013

<http://www.indiegogo.com>

<http://www.kickstarter.com>

springwise.com
YOUR ESSENTIAL FIX OF ENTREPRENEURIAL IDEAS



More Inspiration

<http://www.moreinspiration.com/>

AUTM Global Technology Portal

<http://gtp.autm.net/>

iBridge

<http://www.ibridgenetwork.org/>

Giyilebilir Teknolojiler Veritabanı

<http://vandrigo.com/database>

Startup veritabanı

<http://www.crunchbase.com/>

Kickstarter

<https://www.kickstarter.com/>

Indiegogo

<http://www.indiegogo.com>

Enterprise Europe Network

<http://een.ec.europa.eu>

Ninesights

<http://www.ninesights.com>

Patent Pools

•IP Market Place

<https://www.ip-marketplace.org>

•Medicine Patent Pool

<http://www.medicinespatentpool.org/>

 **CBINSIGHTS**

crunchbase

FUELUP 
STARTUP INTELLIGENCE

Owler 

 **i3**



 **dealroom.co**

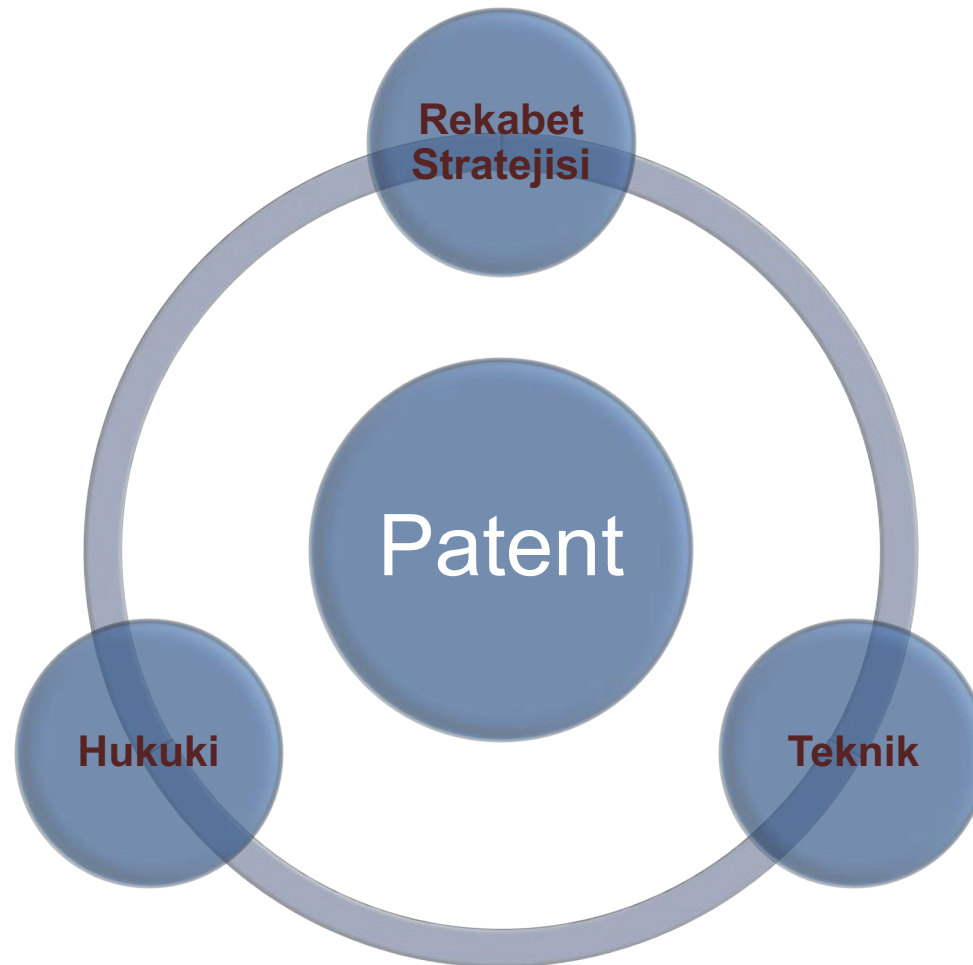
Patent Arařtırması



Neden Patent Arařtırması Yapıyoruz?



PATENT ???



PATENT VERİSİ ???

Problem Çözüm Havuzu

Rakip teknolojiler – Yeni Buluşlar

Teknoloji eğilimleri

İşbirliği için partner bulma

PATENT VERİSİ ???

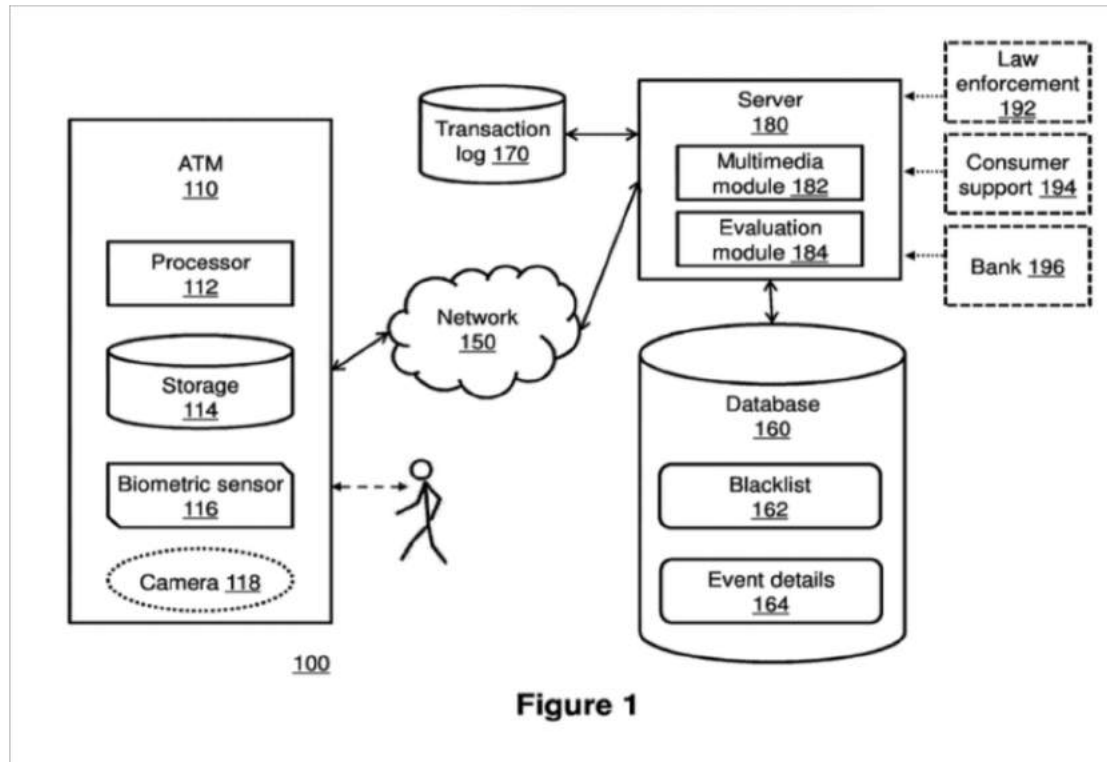
Dahi Havuzu (Co-founder, danışman, uzman)

Yeni Teknolojileri Lisanslama

Mayın Tarlası – ihlal?

Türkiye’de Koruması Olmayan Patentler

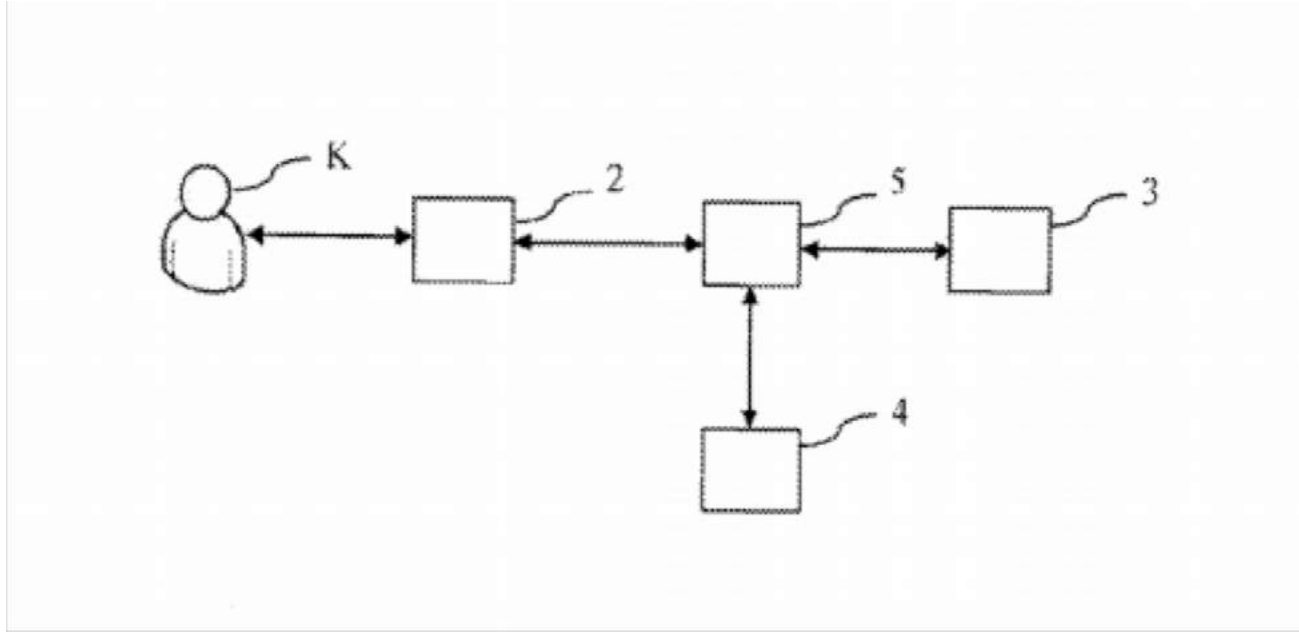
Problem Çözüm Havuzu



A method for improving security in an automated teller machine (ATM) network

US10482335 (B1)

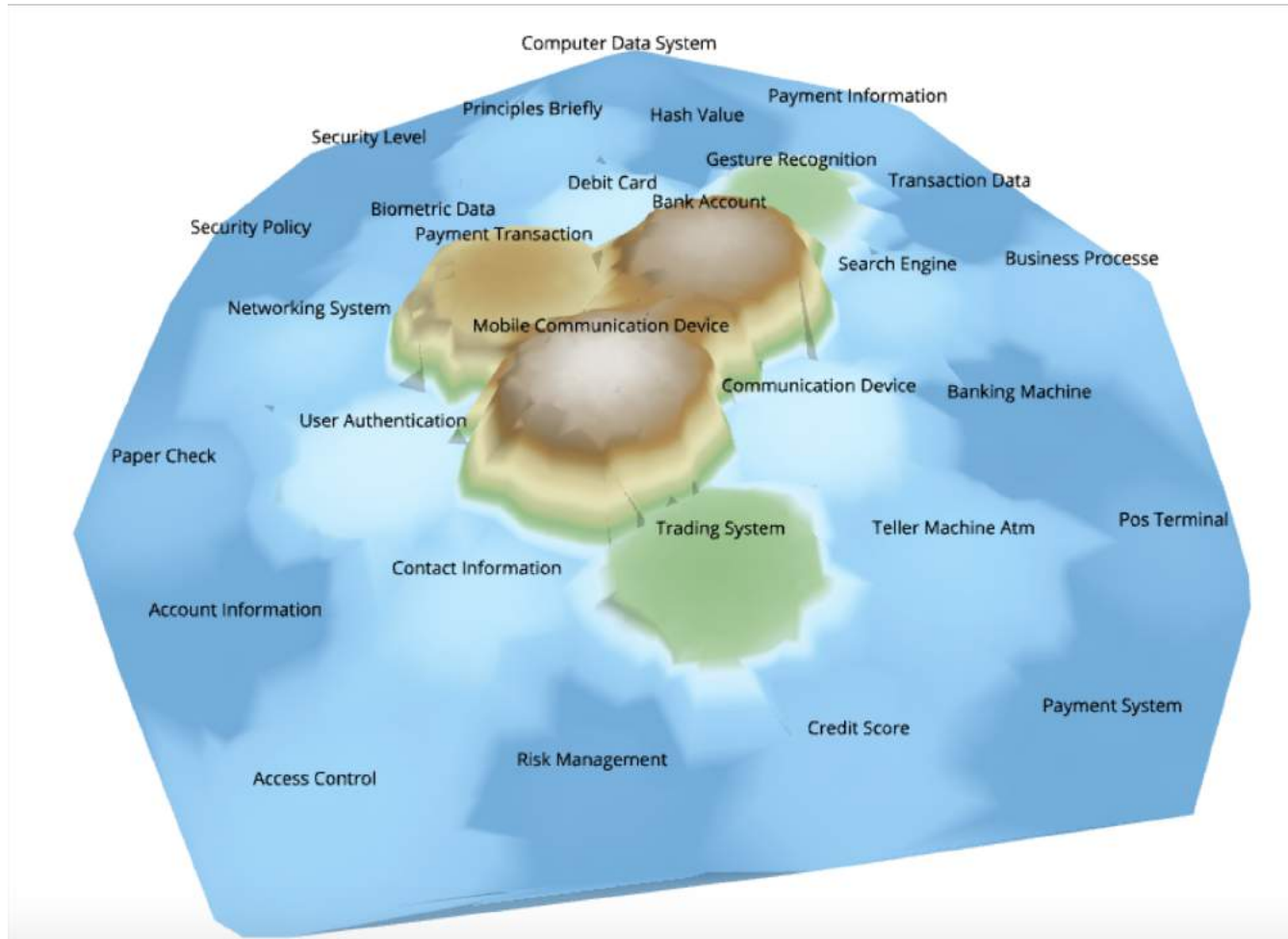
Problem Çözüm Havuzu



The present invention relates to a system for enabling persons who are or are not subscribers of institutions making financial transaction to realize person authentication by means of fingerprint and/or retina information and/or face detection in order to carry out transaction over financial institution. The inventive system consists of mobile device, financial institution unit, identity authentication unit and authentication server.

TURKCELL - US2019362359

Rakip teknolojiler – Yeni Buluşlar

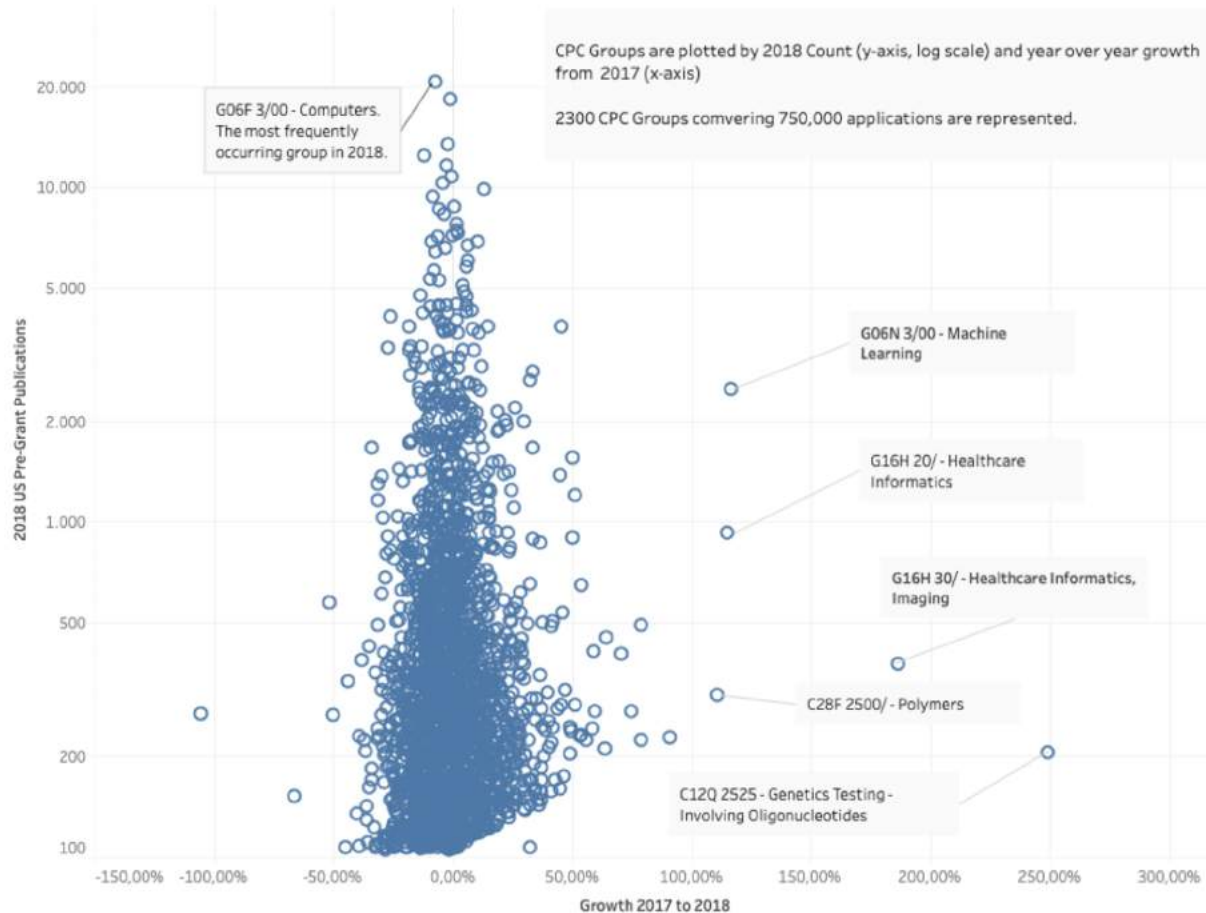


Bank of America.



Teknoloji eğilimleri

US Applications - 2018 Count and Growth 2017 to 2018



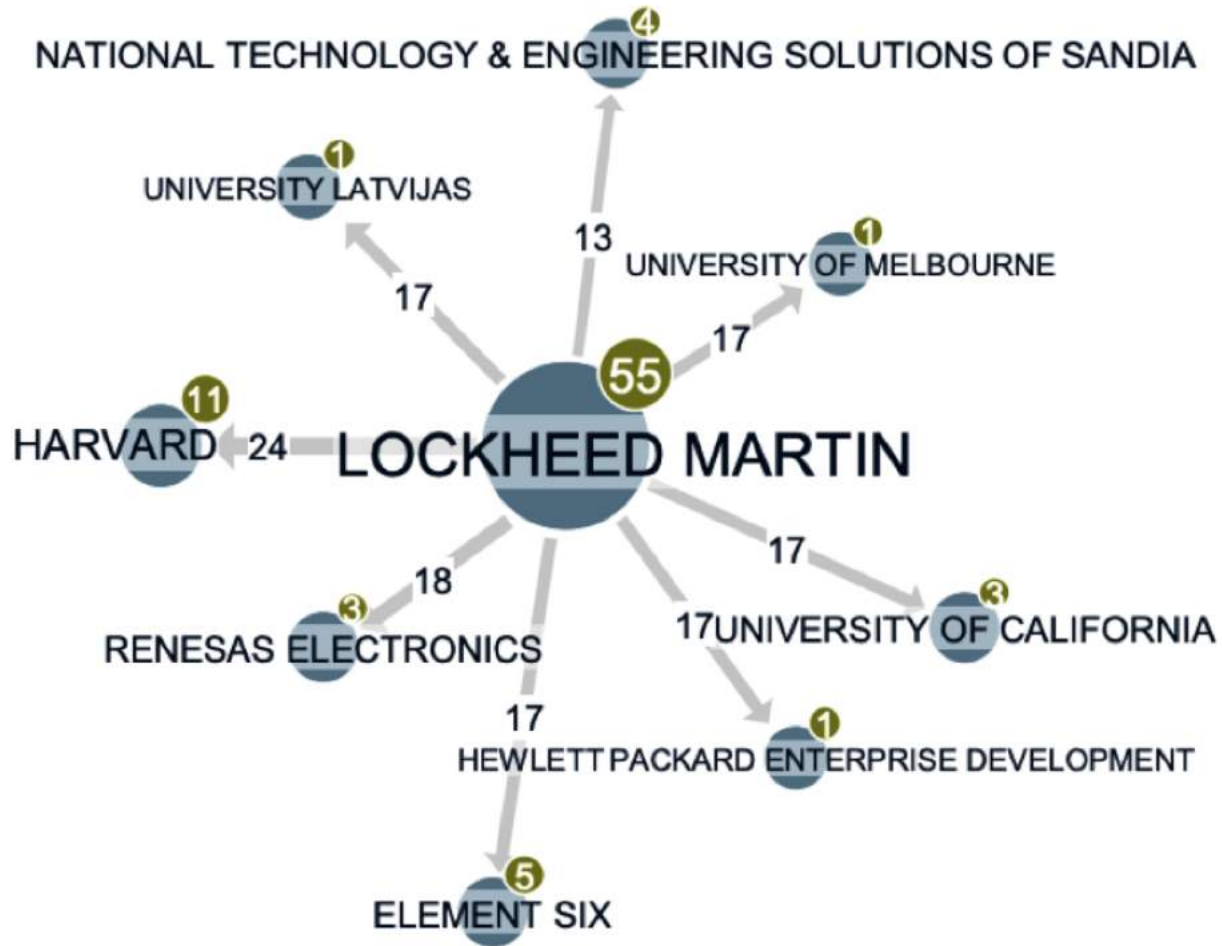


	Topic	#Docs	Score	Trendline
☐	Machine learning	192	0.476	
☐	Image processing	110	0.368	
☐	Field-programmable gate array	415	0.368	
☐	Computing platform	323	0.352	
☐	Computing	232	0.328	
☐	Programmable logic device	363	0.299	
☐	Encryption	470	0.294	



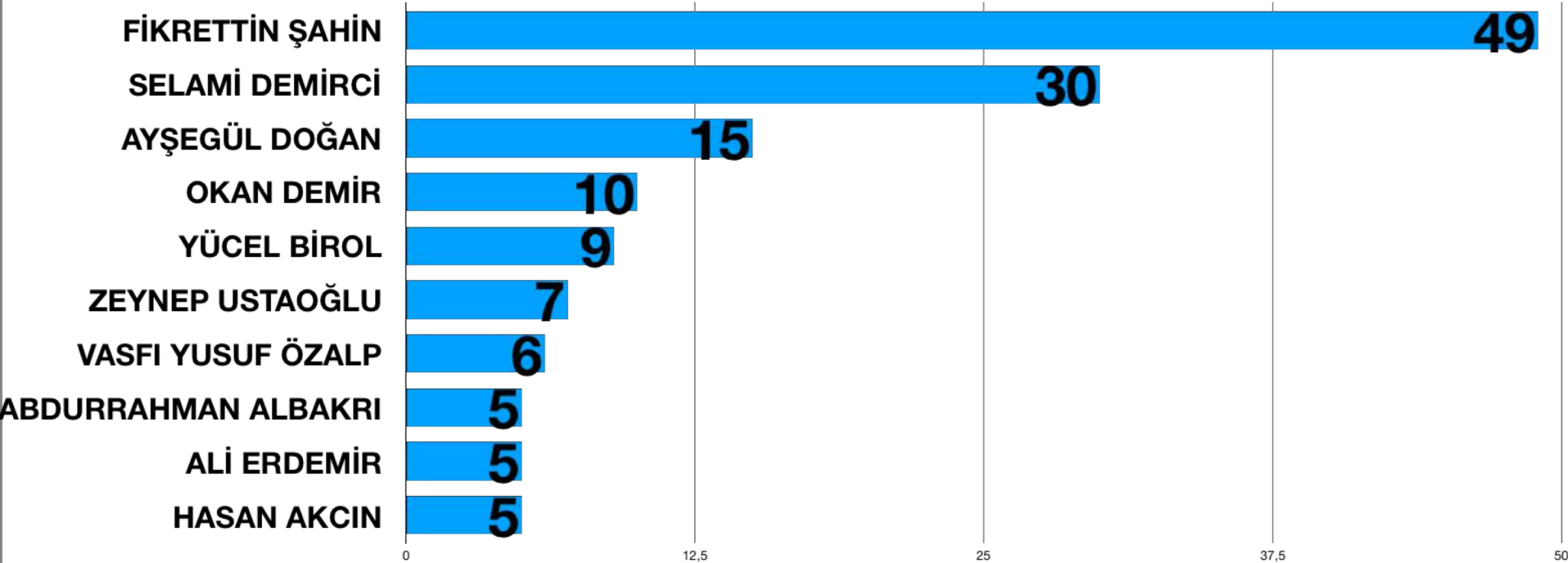
	Topic	#Docs	Score	Trendline
☐	Quantum computers, learning machines, molecular computers	55	0.527	
☐	Data switching networks	286	0.275	
☐	Cryptographics for secret digital communication	127	0.268	
☐	Arrangements, apparatus, circuits or systems for digital transmission	855	0.244	
☐	Security arrangements, Authentication, Protecting privacy for wireless communication	134	0.24	
☐	Program control unit	262	0.24	
☐	Communication protocols supporting network applications	232	0.218	

İşbirliği için partner bulma



Dahi Havuzu (Co-founder, danışman, uzman)

Bor ile ilgili patent sahibi buluşçular



Dahi Havuzu (Co-founder, danışman, uzman)

Fintech ile ilgili patent sahibi buluşçular

#	Inventor	Documents	Ranking (%)
1	☐ KAYA KORAY	4	3.96
2	☐ CENK ALI KEMAL	4	3.96
3	☐ YALCIN MURAT	3	2.97
4	☐ OSMAN OSMAN	3	2.97
5	☐ BERKAY CENGİZ	3	2.97
6	☐ YAZMACI ERDAL	2	1.98
7	☐ SERBETCIOGLU BEKİR SAMİ	2	1.98
8	☐ SANCAK MURAT	2	1.98
9	☐ OZULKULU ESREF SALİH	2	1.98
10	☐ KESİCİ İNCİ	2	1.98

1 / 4



Sabancı
Universitesi

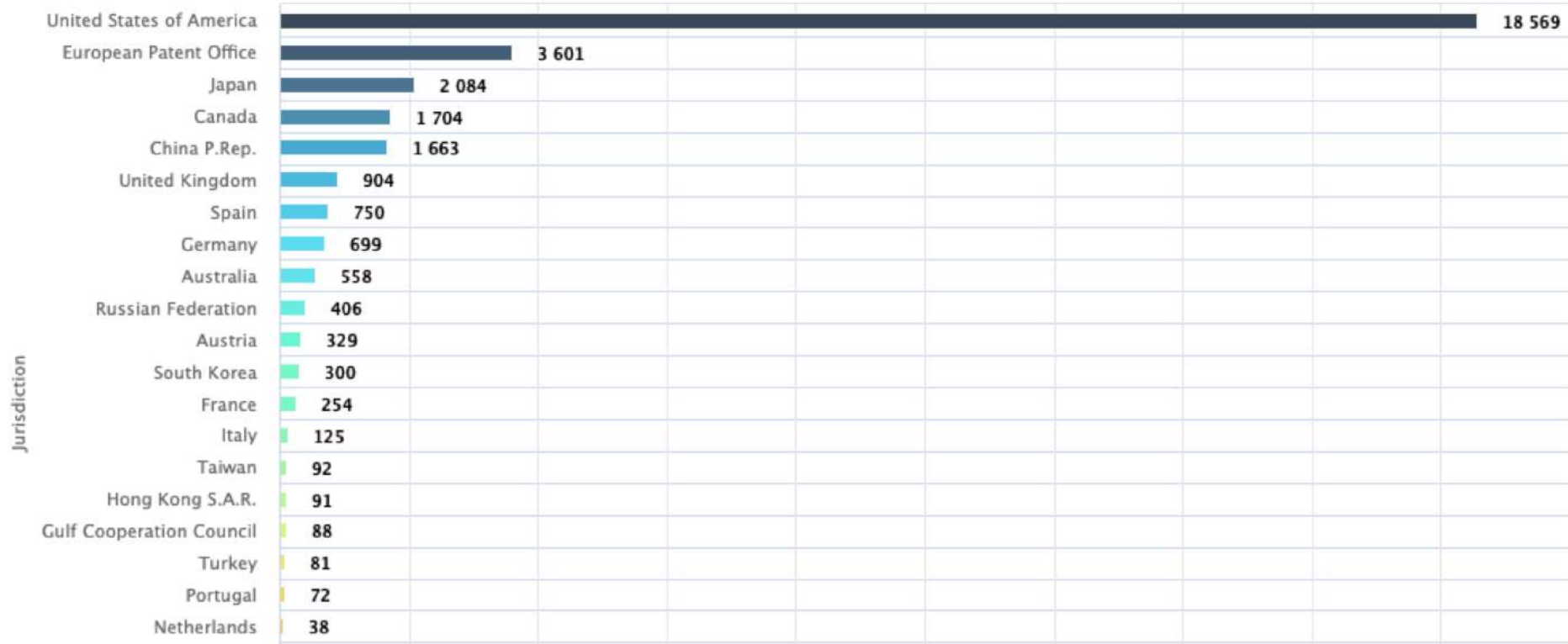
Mayın Tarlası – ihlal?

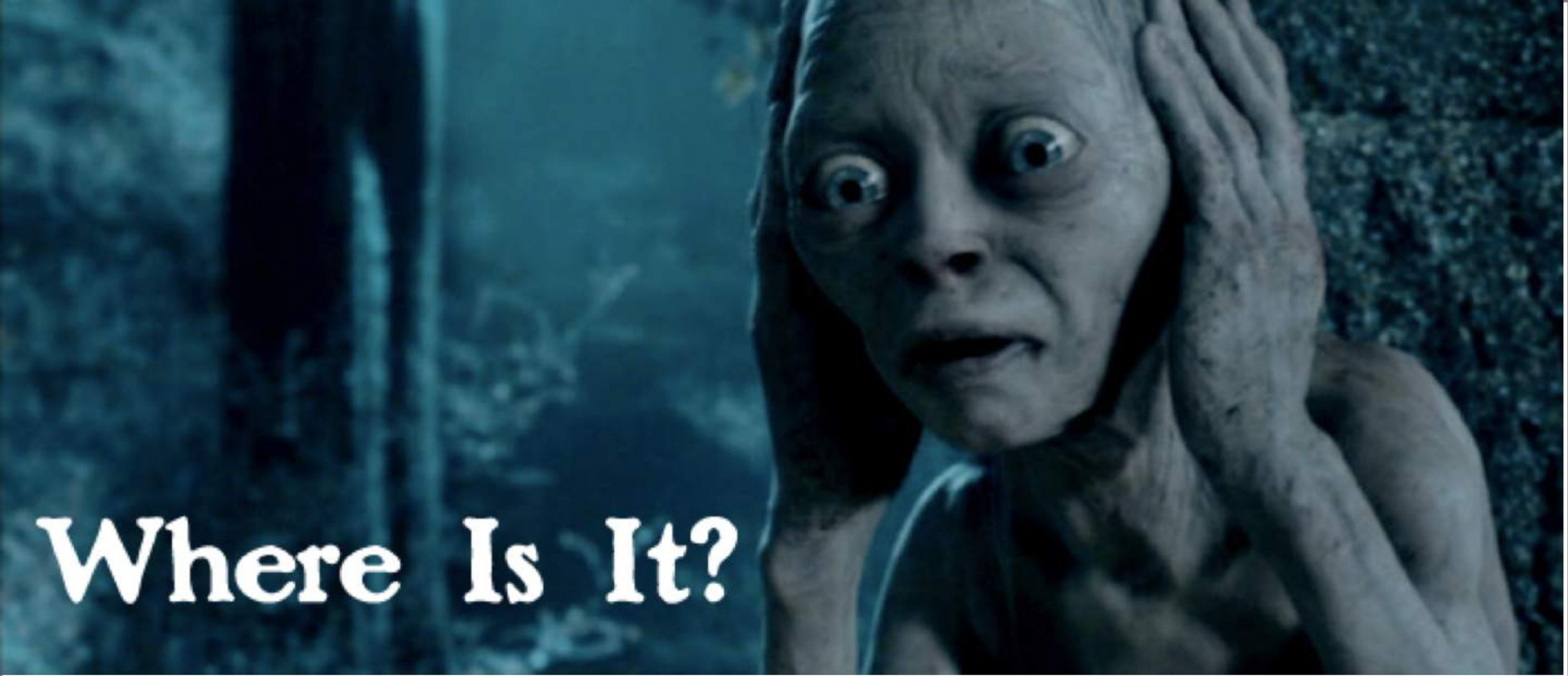


	2010	2011	2012	2013	2014	2015	2016	2017	2018
Optical sensor	10	15	26	27	48	26	35	32	34
Temperature Sensor	7	11	21	18	32	19	21	22	24
Gesture Control	3	8	10	11	29	14	27	25	24
Proximity Sensor	4	1	8	8	12	7	11	16	19
Pressure Sensor	1	4	5	7	5	4	6	3	4
Occupancy Sensor	2	1	1	5	3	1	2	3	4
Image Sensor	2	0	2	1	6	0	1	2	2
Portable Devices	15	29	49	49	87	62	82	85	92
Voice Recognition	8	8	8	12	25	21	23	29	34
Biometric	0	0	3	0	8	6	11	12	14

Türkiye'de Koruması Olmayan Patentler

Top 25 Jurisdictions by Grants





Where Is It?

Türk Patent ve Marka Kurumu

WIPO Patentscope

espacenet

Google patents

Smart search

Advanced search

Classification search

Quick help -

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plastic and bicycle

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hair

Keyword(s) in full text: ⓘ

Enter numbers with or without country code

Publication number: ⓘ

WO2008014520

Application number: ⓘ

DE19971031696

A: İnsan İhtiyaçları

B : İşlemlerin Uygulanması, Taşıma

C : Kimya, Metalürji

D : Tekstil, Kağıt

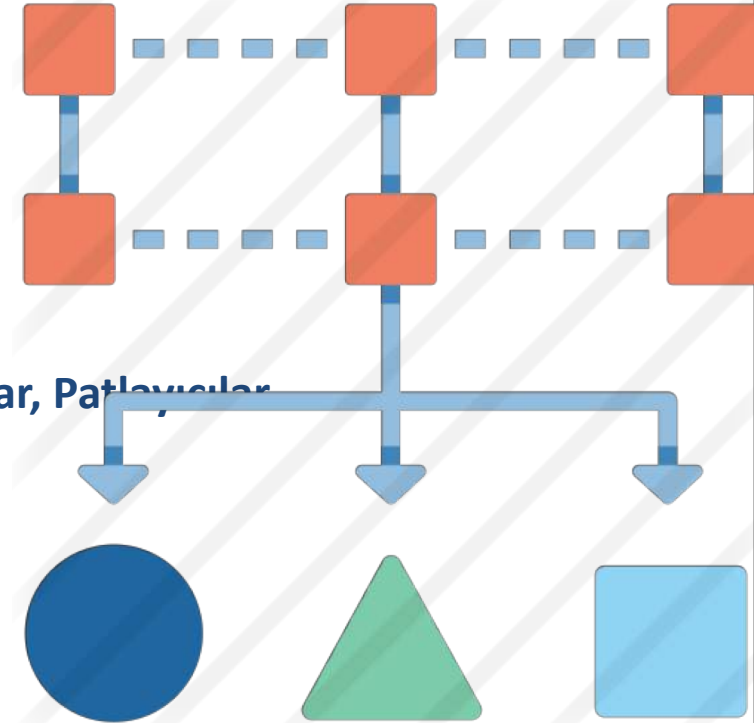
E : Sabit Yapılar

F : Makine Mühendisliği, Işıklandırma, Isıtma, Silahlar, Patlayıcılar

G : Fizik

H : Elektrik

Y : General Tagging Of New Technological Developments



Additive Manufacturing



Additive Manufacturing

Cooperative Patent Classification

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[...]

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2000

A »

Symbol	Classification and description	
▼☆☆☆☆	☐ B33Y 10/00	Processes of additive manufacturing
▼☆☆☆☆	☐ B29C 64/00	Additive manufacturing, i.e. manufacturing of three-dimensional [3D] objects by additive deposition, additive agglomeration or additive layering, e.g. by 3D printing, stereolithography or selective laser sintering
▼☆☆☆☆	☐ B33Y 30/00	Apparatus for additive manufacturing; Details thereof or accessories therefor
▼☆☆☆☆	☐ B33Y 80/00	Products made by additive manufacturing
▼☆☆☆☆	☐ B33Y 70/00	Materials specially adapted for additive manufacturing
▼☆☆☆☆	☐ B22F 3/00	Manufacture of workpieces or articles from metallic powder characterised by the manner of compacting or sintering; Apparatus specially adapted therefor {; Presses and furnaces}
▼☆☆☆☆	☐ B33Y 50/00	Data acquisition or data processing for additive manufacturing
▼☆☆☆☆	☐ B33Y 40/00	Auxiliary operations or equipment, e.g. for material handling
▼☆☆☆☆	☐ B23K 26/00	Working by laser beam, e.g. welding, cutting or boring

Aircraft



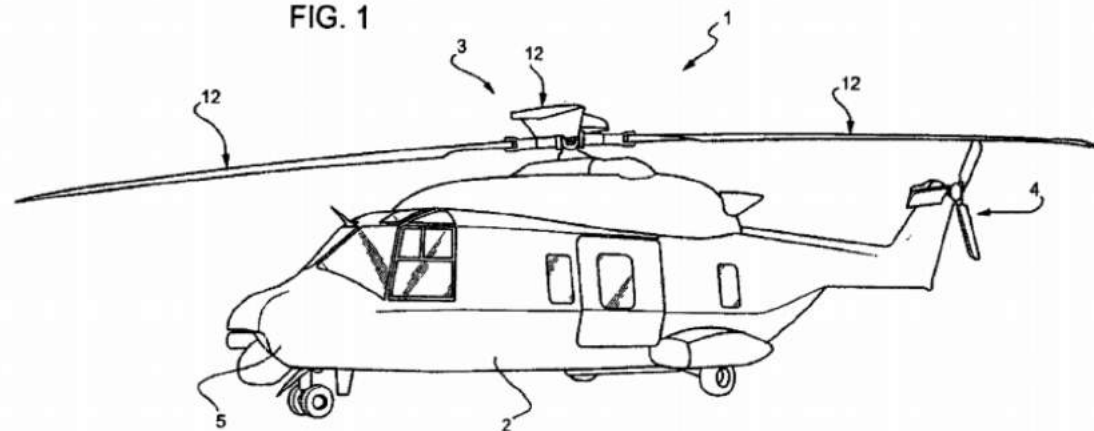
Aircraft

TRANSPORTING

☐ B64	AIRCRAFT; AVIATION; COSMONAUTICS	
☐ B64B	LIGHTER-THAN AIR AIRCRAFT	  
☐ B64C	AEROPLANES; HELICOPTERS (air-cushion vehicles B60V)	   
☐ B64D	EQUIPMENT FOR FITTING IN OR TO AIRCRAFT; FLYING SUITS; PARACHUTES; ARRANGEMENTS OR MOUNTING OF POWER PLANTS OR PROPULSION TRANSMISSIONS IN AIRCRAFT	  
☐ B64F	GROUND OR AIRCRAFT-CARRIER-DECK INSTALLATIONS SPECIALLY ADAPTED FOR USE IN CONNECTION WITH AIRCRAFT; DESIGNING, MANUFACTURING, ASSEMBLING, CLEANING, MAINTAINING OR REPAIRING AIRCRAFT, NOT OTHERWISE PROVIDED FOR; HANDLING, TRANSPORTING, TESTING OR INSPECTING AIRCRAFT COMPONENTS, NOT OTHERWISE PROVIDED FOR	   
☐ B64G	COSMONAUTICS; VEHICLES OR EQUIPMENT THEREFOR (apparatus for, or methods of, winning materials from extraterrestrial sources E21C 51/00)	   

US8496435 (B2)

FIG. 1



Waterscooter



Waterscooter

TRANSPORTING

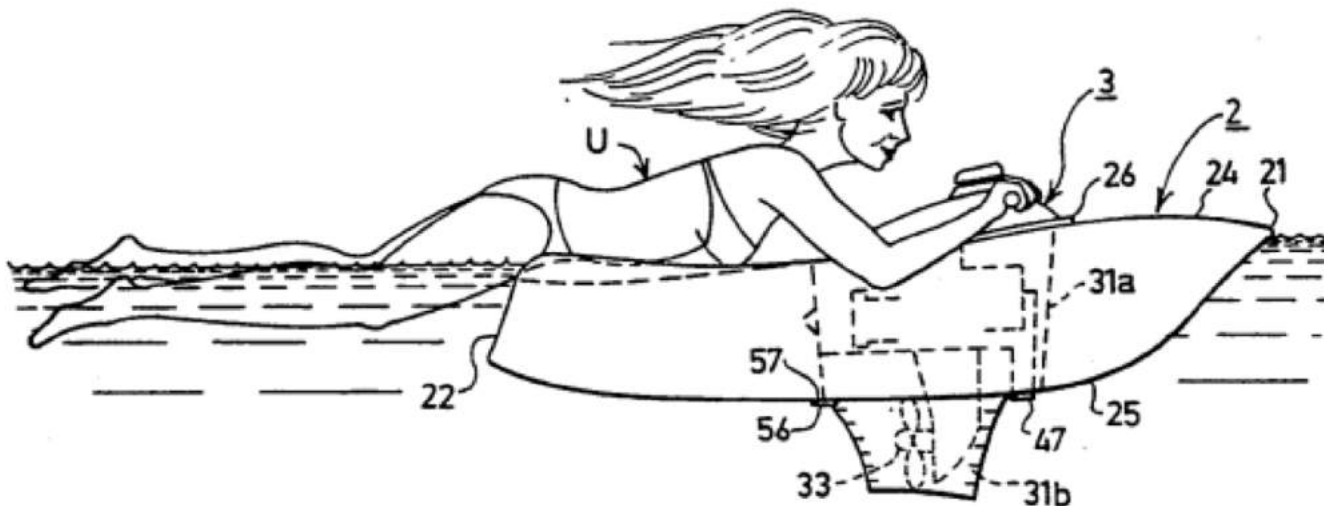
- ☐ **B63** SHIPS OR OTHER WATERBORNE VESSELS; RELATED EQUIPMENT
- ☐ **B63B** SHIPS OR OTHER WATERBORNE VESSELS; EQUIPMENT FOR SHIPPING ({amphibious vehicles **B60F 3/00**; } air-cushion vehicles **B60V**; arrangements of vessel ventilation, heating, cooling or air conditioning **B63J 2/00**)



- ▲ ☐ **B63B 35/00** Vessels or like floating structures adapted for special purposes (vessels characterised by load-accommodating arrangements **B63B 25/00**; fire-fighting vessels **A62C 29/00**; submarines, mine-layers or mine-sweepers **B63G**; large containers for use in or under water **B65D 88/78**; {Advertising on ships or other floating means **G09F 21/18**})

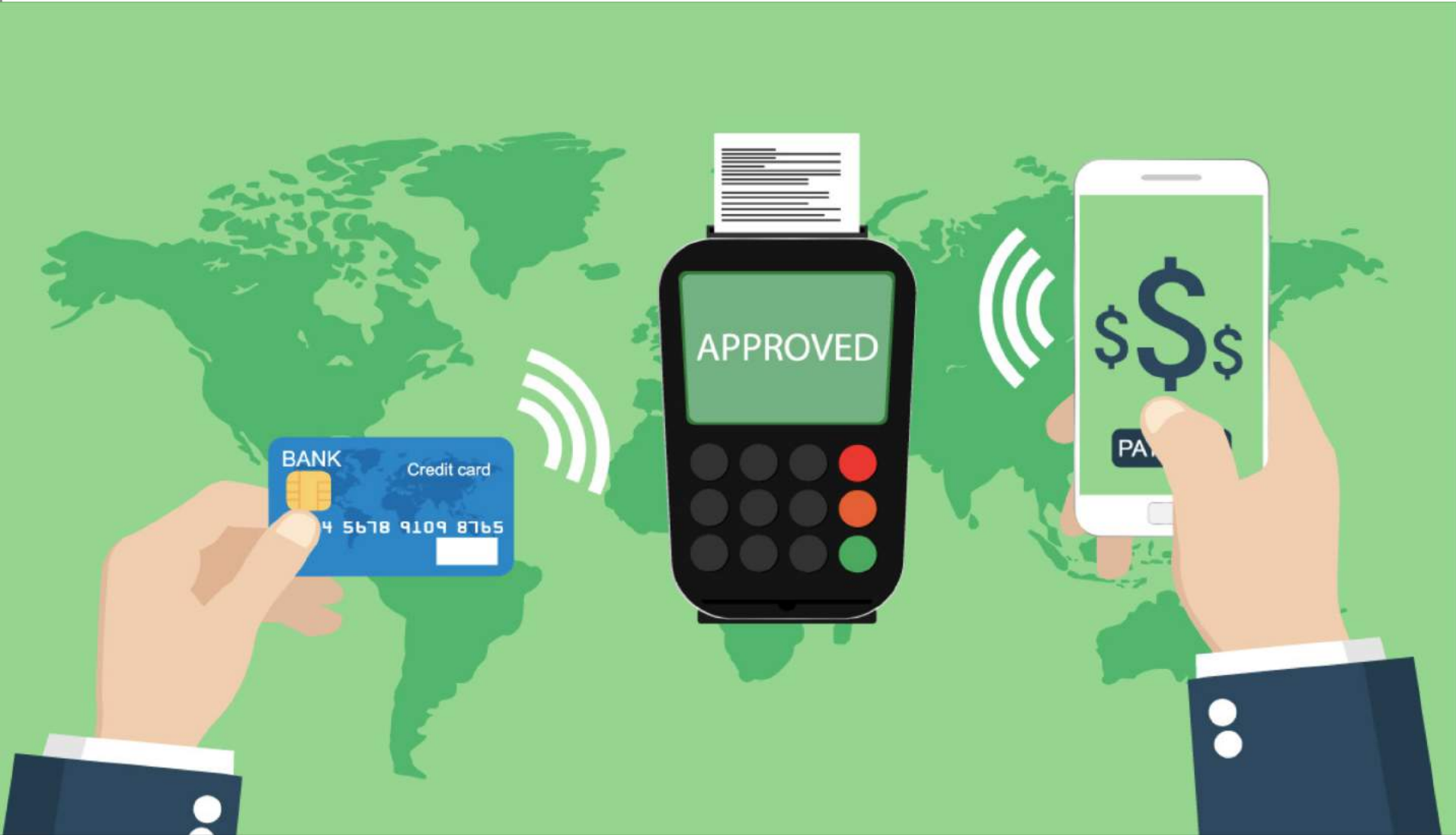
D

- ☐ **B63B 35/73** Other vessels or like floating structures for pleasure or sport
- ☐ **B63B 35/731** {Waterscooters}



US5394820 (A)

Payment Systems



Payment Systems

Cooperative Patent Classification

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Search

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« G06Q10/00 G06Q30/00 »

Symbol	Classification and description	
☐ G	PHYSICS	
INSTRUMENTS		
☐ G06	COMPUTING; CALCULATING; COUNTING	
☐ G06Q	DATA PROCESSING SYSTEMS OR METHODS, SPECIALLY ADAPTED FOR ADMINISTRATIVE, COMMERCIAL, FINANCIAL, MANAGERIAL, SUPERVISORY OR FORECASTING PURPOSES; SYSTEMS OR METHODS SPECIALLY ADAPTED FOR ADMINISTRATIVE, COMMERCIAL, FINANCIAL, MANAGERIAL, SUPERVISORY OR FORECASTING PURPOSES, NOT OTHERWISE PROVIDED FOR	
☒ G06Q 20/00	Payment architectures, schemes or protocols (apparatus for performing or posting payment transactions G07F 7/08 , G07F 19/00 ; electronic cash registers G07G 1/12)	
☒ G06Q 20/02	• involving a neutral party, e.g. certification authority, notary or trusted third party [TTP]	
☒ G06Q 20/023	• {characterized in that the neutral party is a clearing house}	
☒ G06Q 20/027	• {involving a payment switch or gateway}	
☒ G06Q 20/04	• Payment circuits	
☒ G06Q 20/042	• {characterized in that the payment protocol involves at least one cheque}	
☒ G06Q 20/0425	• {the cheque being electronic only}	
☒ G06Q 20/045	• {characterized in that the payment protocol involves at least one ticket}	
☒ G06Q 20/0453	• {the ticket being an electronic receipt}	
☒ G06Q 20/0457	• {characterized in that the ticket is sent electronically}	
☒ G06Q 20/06	• Private payment circuits, e.g. involving electronic currency used among participants of a common payment scheme	

Payment Systems in Aviation



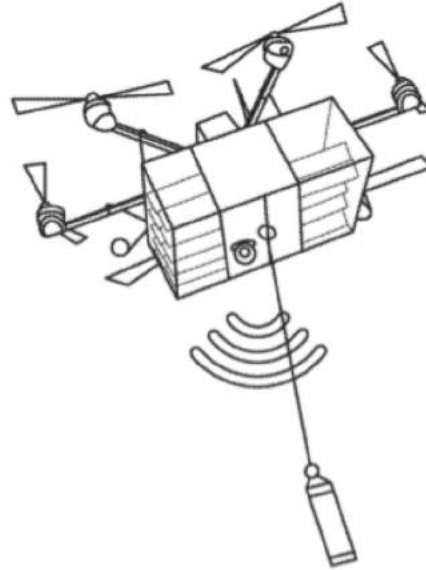
Payment Systems in Aviation

PREDICTIVE UAV PACKAGE DELIVERY SYSTEM

Walmart 

WO2019152495

B64/low and G06Q20/low



Payment + speech recognition

ALIBABA GROUP HOLDING LTD	
DIGIMARC CORP	G06Q 20/00 Payment architectures, schemes or protocols (apparatus for performing or posting payment transactions G07F 7/08 , G07F 19/00 ; electronic cash registers G07G 1/12)
PAYPAL INC	G06Q 20/38 Payment protocols; Details thereof G06Q 20/40 Authorisation, e.g. identification of payer or payee, verification of customer or shop credentials; Review and approval of payers, e.g. check credit lines or negative lists
ALIBABA GROUP SERVICES LTD	G06Q 20/401 {Transaction verification} G06Q 20/4014 {Identity check for transaction} G06Q 20/40145 {Biometric identity checks}
NCR CORP	
VISA INT SERVICE ASS	G10L 15/00 Speech recognition (G10L 17/00 takes precedence)
WALMART APOLLO LLC	G10L 15/26 Speech to text systems (G10L 15/08 takes precedence)
ZHOU ANDREW H B	

G06Q20/low and G10L15/00

54.769
patent publications

17.677 priority applications



50.085
patent publications

11.392 priority applications



*Patent acquisitions are not included

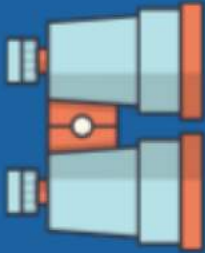
TOP TECHNOLOGY CLASSES IN PIPELINE

- 1 Composite airframes for weight reduction in airplanes
- 2 Layered products for aircrafts
- 3 Design measures for airframe of aircrafts to reduce the weight

- 1 Composite airframes for weight reduction in airplanes
- 2 Design measures for airframe of aircrafts to reduce the weight
- 3 Technologies for interior parts of aircraft to reduce weight

Kaynak: patenteffect.com

#challenge



REDUCE WEIGHT IN AIRPLANES



#solution



USING COMPOSITES FOR AIRFRAMES

Airframe weight reduction by using composites

▲ ☐ Y02T 50/00	Aeronautics or air transport
☐ Y02T 50/40	• Weight reduction
☐ Y02T 50/42	• Airframe
☐ Y02T 50/43	• Composites
☐ Y02T 50/44	• Design measures
☐ Y02T 50/46	• Interior

Airframe weight reduction by using composites

B64C 1/00

Fuselages; Constructional features common to fuselages, wings, stabilising surfaces and the like
(aerodynamical features common to fuselages, wings, stabilising surfaces, and the like **B64C 23/00**; flight-deck installations **B64D**)

D

B64C 2001/0054

• {Fuselage structures substantially made from particular materials}

B64C 2001/0072

• {from composite materials}

Airframe weight reduction by using composites

10 GLOBAL CHALLENGES THAT TECHNOLOGY CAN SOLVE



10 GLOBAL CHALLENGES THAT TECHNOLOGY CAN SOLVE



10 GLOBAL CHALLENGES THAT TECHNOLOGY CAN SOLVE



TRAFFIC MANAGEMENT



ROAD/PASSENGER SAFETY



PATENTS RELATED WITH AUTONOMOUS CARS

*How many patents
published until 2019?*

PATENTS RELATED WITH AUTONOMOUS CARS

How many patents published until 2019?

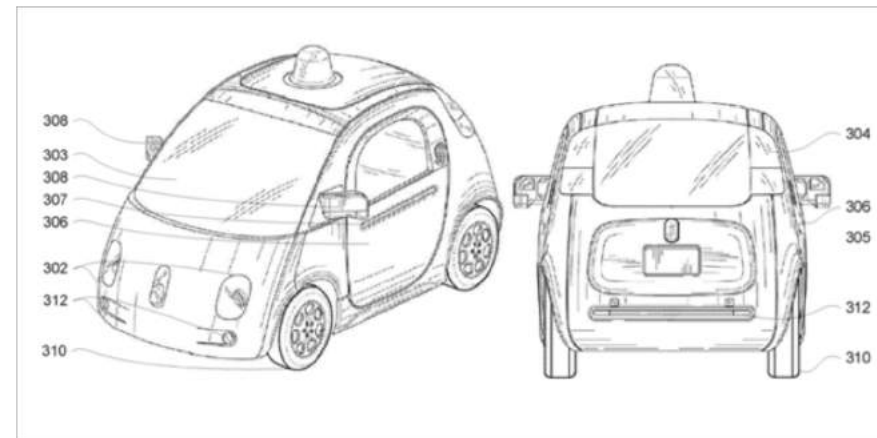
58.200

127.800

PATENT TRENDS IN AUTONOMOUS CARS



58.200

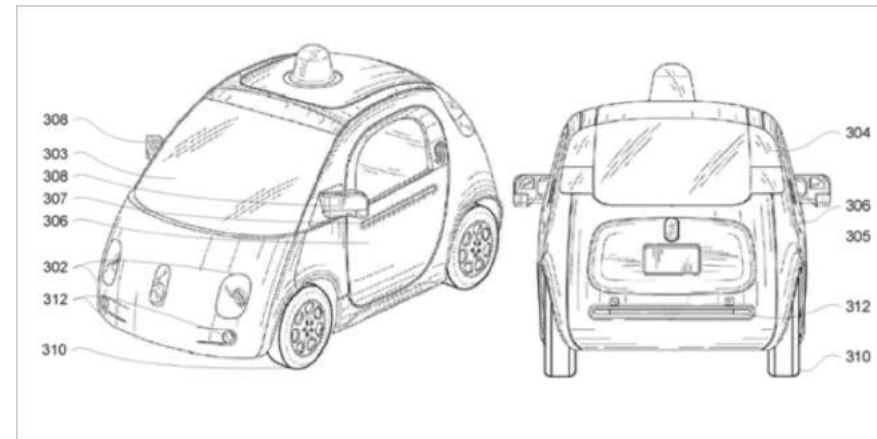


PATENT TRENDS IN AUTONOMOUS CARS



BOSCH

58.200



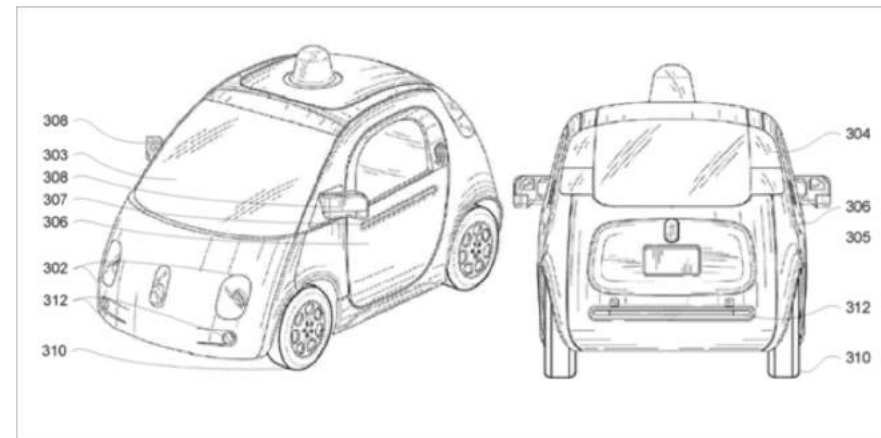
PATENT TRENDS IN AUTONOMOUS CARS



BOSCH

DAIMLER

58.200



PATENT TRENDS IN AUTONOMOUS CARS

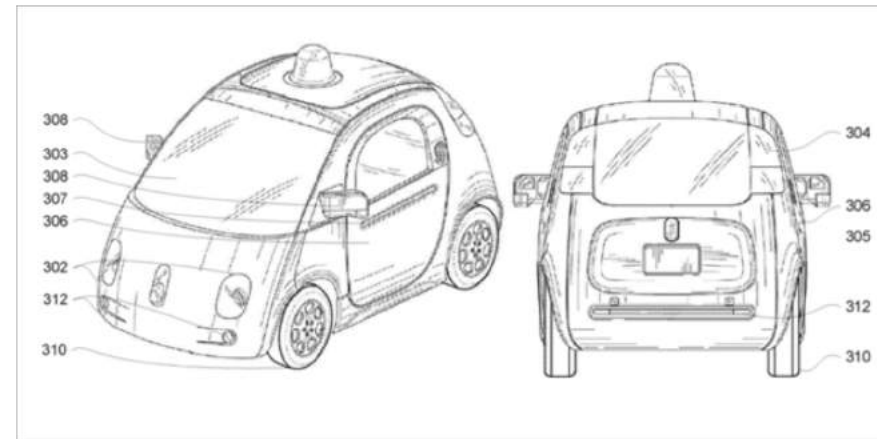


BOSCH

DAIMLER

DENSO

58.200



PATENT TRENDS IN AUTONOMOUS CARS

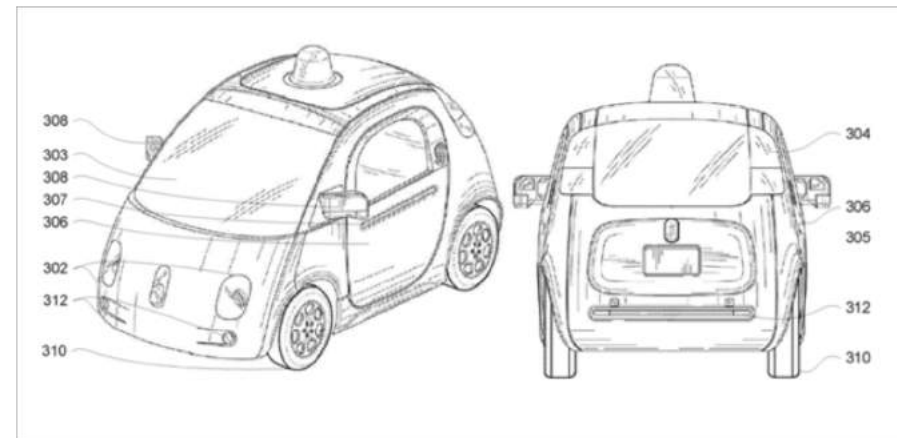


BOSCH

DAIMLER

DENSO

58.200



PATENT TRENDS IN AUTONOMOUS CARS

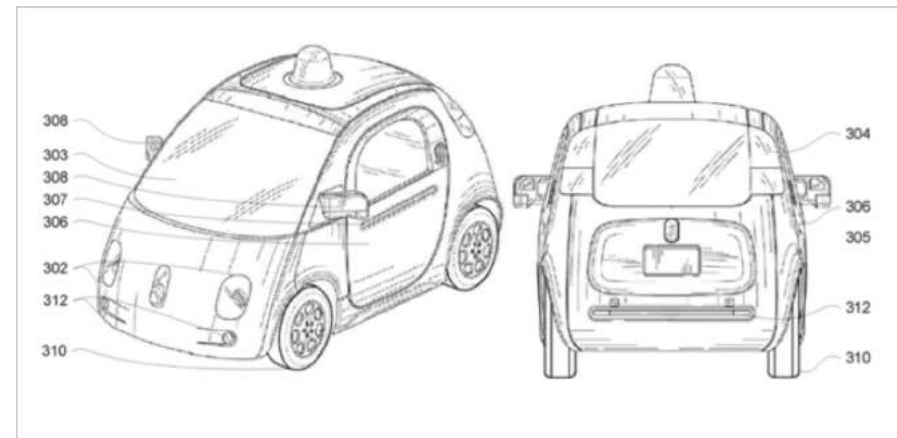


BOSCH

DAIMLER

DENSO

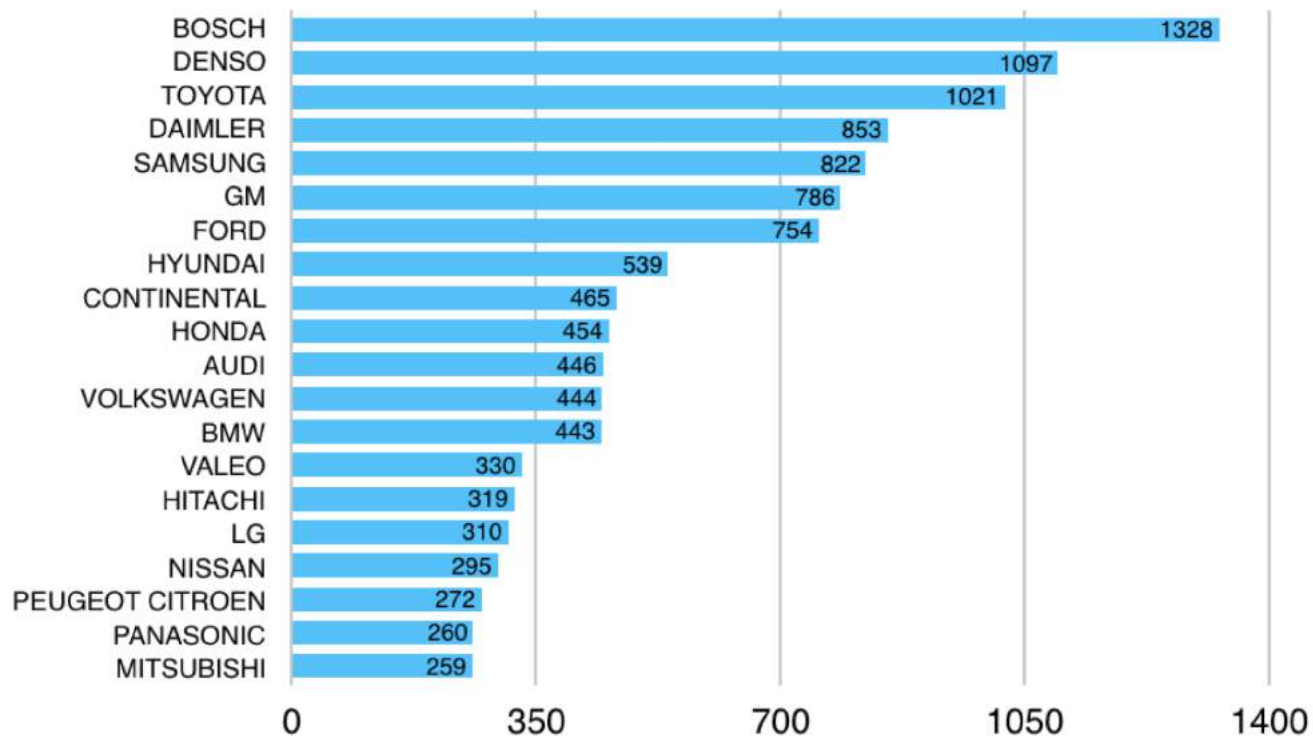
58.200



PATENT TRENDS IN AUTONOMOUS CARS

TOP 20 KEY COMPANIES BETWEEN 2008-2018

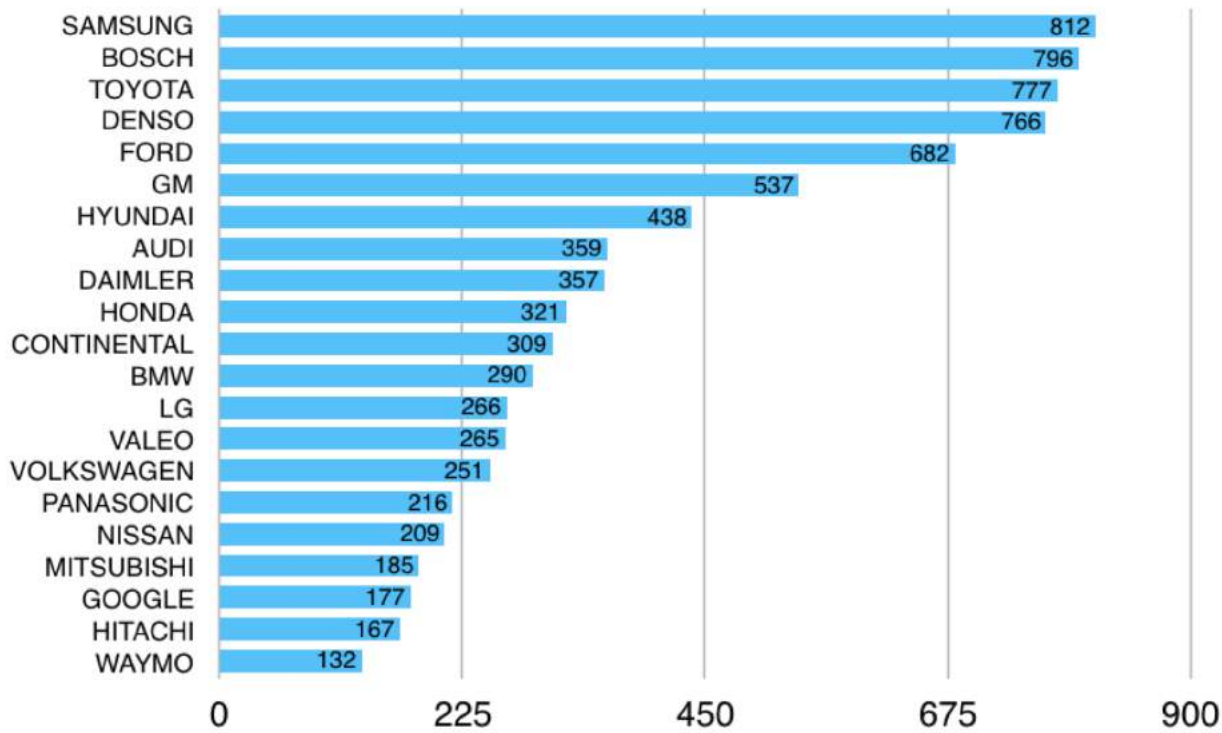
These companies are focusing on autonomous cars.



PATENT TRENDS IN AUTONOMOUS CARS

TOP 20 KEY COMPANIES BETWEEN 2014-2018

These companies are focusing on autonomous cars.



Google

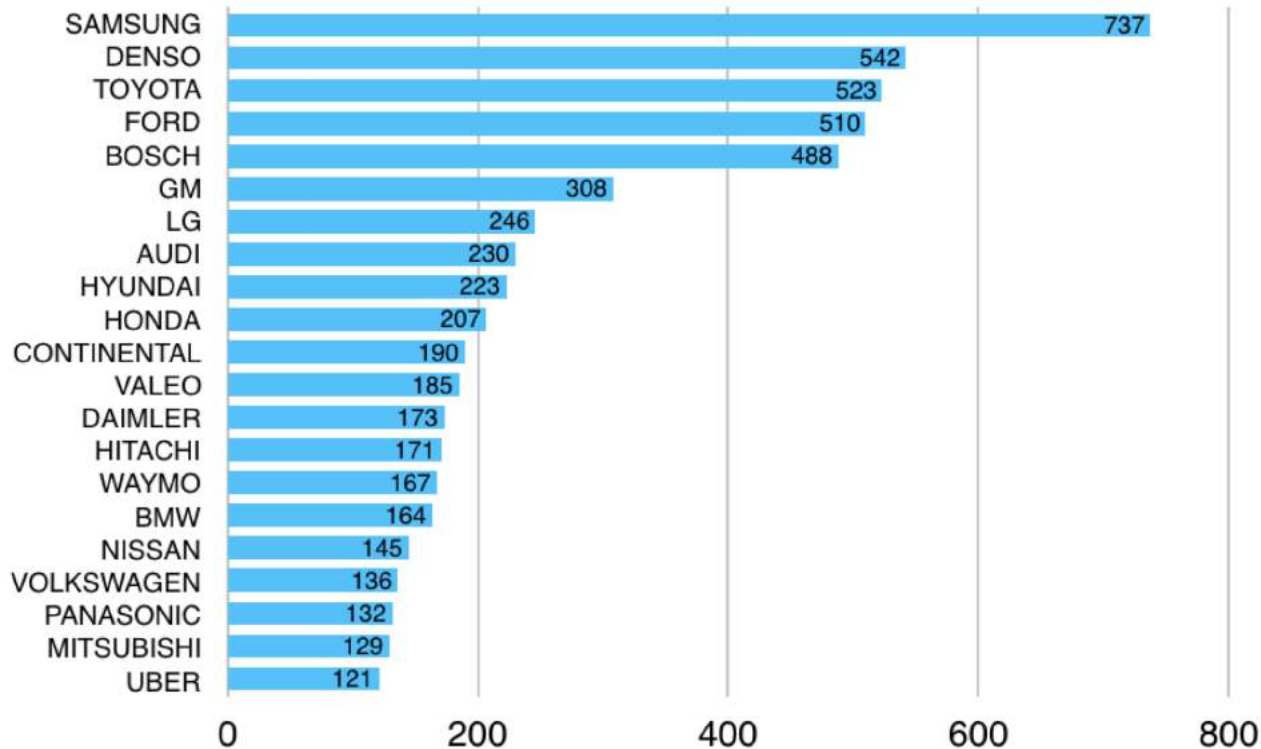


WAYMO

PATENT TRENDS IN AUTONOMOUS CARS

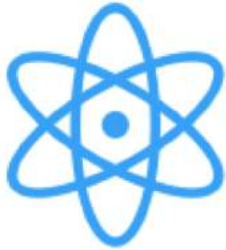
TOP 20 KEY COMPANIES BETWEEN 2017-2018

These companies are focusing on autonomous cars.



Uber

PATENT TRENDS IN AUTONOMOUS CARS



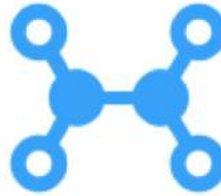
Anti collision

17.264 patents

7.458 patents -Radar systems

7.378 patents -Traffic control systems

2.428 patents -LIDAR systems

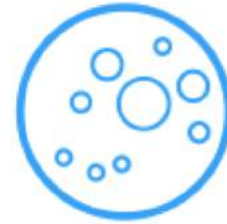


Automatic braking

2.428 patents

-for active traffic, e.g. moving vehicles, pedestrians, bikes

-for Driving aids for lane monitoring, lane changing, e.g. blind spot detection



Control Systems

2.244 patents

-Controlling of position of land vehicles **1.129 patents**

-Control systems for informing the driver, **1.115 patents**

PATENT TRENDS IN AUTONOMOUS CARS

patent publications almost doubled from 2016 to 2017

**WIRELESS
COMMUNICATIONS
NETWORKS**

vehicle-to-vehicle communication [V2V]

**IMAGE DATA
PROCESSING**

Range image; Depth image; 3D point clouds

**TRANSMISSION OF
DIGITAL
INFORMATION**

Communication protocols for user profiles

**SYSTEMS FOR
CONTROLLING OR
REGULATING NON-
ELECTRIC VARIABLES**

Control of position in accordance with safety or protection criteria

<https://www.iprhelpdesk.eu/>

About the European IP Helpdesk

We believe that knowing how to manage your IP effectively can help you promote your business or maximise the impact of your research & innovation project – make sure you stay ahead of the innovation game.



<https://www.connect4tech.org/iprhelppdesk>

01

Fikri Mülkiyetin Ticarileştirilmesi: Bilgi Transferi Araçları

Fikri Mülkiyetin ticarileştirilmesi süreçlerinde ihtiyaç duyduğunuz temel bilgileri edinebileceğiniz rehber niteliğinde bir doküman.

İNDİR

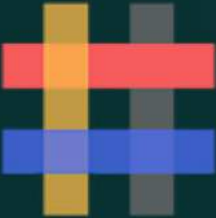
02

Lisans Anlaşmaları

Lisanslama süreçlerinde ihtiyaç duyduğunuz temel bilgileri edinebileceğiniz rehber niteliğinde bir doküman.

İNDİR

<https://www.connect4tech.org/subscribe>



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discover # connect # scale

connect4tech is an R&D partnership-driven open innovation platform that you can discover disruptive technologies, connect with innovators and scale your business with new partners who are active in the R&D and commercialization network.



Generic vs. Specific - Novel disclosure?

<chem>C1=CC=C(C=C1)C2=CC=CC=C2C3=CC=CC=C3</chem>	<chem>C1=CC=C(C=C1)C2=CC=CC=C2C3=CC=CC=C3</chem>
Marketing Formula	Generic Disclosure
<chem>C1=CC=C(C=C1)C2=CC=CC=C2C3=CC=CC=C3</chem>	Specific Embodiment

Sabancı Üniversitesi

SU|NUM



patenteffect.com/podcast

Farklı konuklar ile patent konuşuyoruz.

The podcast cover for Episode 7 has a dark background with a textured, metallic mesh pattern. In the top left corner is the 'patent effect. podcast' logo. The title '7. Bölüm' is in orange. Below it, the text 'Arçelik Fikri Haklar Yöneticisi' and 'Güler Ayyıldız Dalma ile Kurumsal Patent Portföy Yönetimi' is in white. In the bottom left corner, there are three logos: 'Listen on Spotify', 'Listen on Apple Podcasts', and 'Listen on Google Podcasts'. The URL 'patenteffect.com/podcast' is in the bottom right corner.

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7. Bölüm

Arçelik Fikri Haklar Yöneticisi
Güler Ayyıldız Dalma ile Kurumsal
Patent Portföy Yönetimi

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The podcast cover for Episode 8 has a dark background with a textured, metallic mesh pattern. In the top left corner is the 'patent effect. podcast' logo. The title '8. Bölüm' is in orange. Below it, the text 'TUSAŞ Patent Mühendisliği Şefi' and 'Kasım Peker ile Patent araştırması üzerine konuştuk.' is in white. In the bottom left corner, there are three logos: 'Listen on Spotify', 'Listen on Apple Podcasts', and 'Listen on Google Podcasts'. The URL 'patenteffect.com/podcast' is in the bottom right corner.

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8. Bölüm

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Kasım Peker ile Patent
araştırması üzerine konuştuk.

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ŞUBAT 2020

Türkiye'nin Patent Haritası

Hazırlayan:

patent**effect.**



- Türkiye'deki kurumların patent istatistikleri ve analizleri
- Patent verisine göre TR'deki teknoloji trendleri
- Global oyunculara göre kurumların karşılaştırması
- Üniversite ve teknoparkların patent istatistikleri
- Patent sahibi startupların (#patentpreneurs) patentlerinin analizi ve yatırım bilgileri
- Üniversitelerin patent lisanslama istatistikleri ve başarı hikayeleri
- Patent vekil firmalarının istatistikleri
- Türkiye'nin öncelikli alanlarına göre patent yetkinlik analizi
- Ar-ge harcamasına göre TR'nin en büyük 50 şirketinin patent analizi
- TR'deki sektörlere ait patent landscape haritalarının analizi.

patenteffect.com/reports



Teşekkürler..

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mustafa.cakir@sabanciuniv.edu