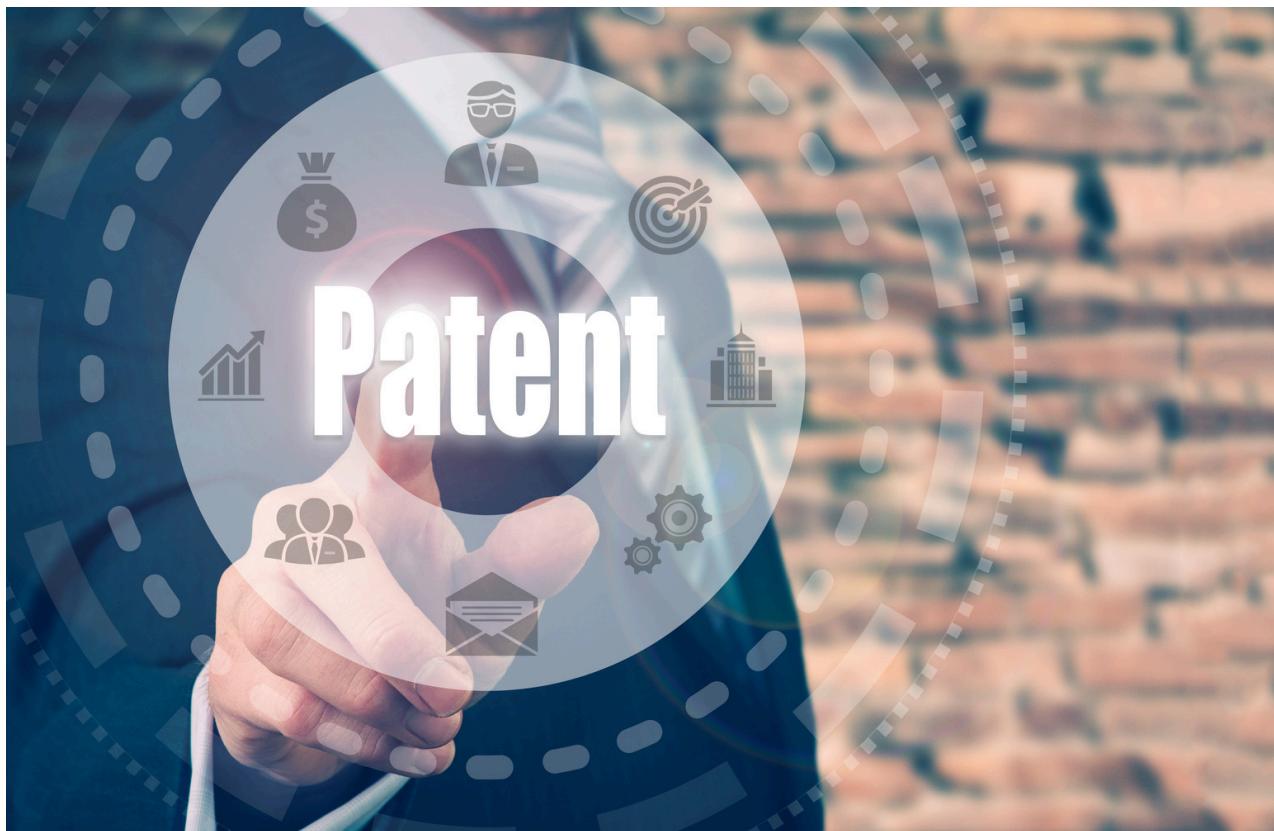


# Patent Litigation Report

2024

Intellectual  
Property

## Introduction



This patent litigation report provides an analysis of patent-related legal disputes filed in the United States during the year 2024. Patent litigation continues to play a crucial role in shaping innovation, competition, and IP strategy across industries. This report presents key technology industries, patent litigants, and other developments that have influenced the patent litigation landscape in 2024.

By examining the latest data and insights, this report aims to equip stakeholders with the knowledge necessary to anticipate risks, refine litigation strategies, and adapt to emerging legal and technological challenges in the patent ecosystem.

This report analyzes the latest insights from patent litigation, primarily focusing on 2024 data. This report is structured to provide insights into:

- The total number of patent cases filed in U.S. courts in 2024.
- Distribution in litigation across different technology industries and technology categories.
- Top litigated technology categories in the year 2024.
- Major litigants, including non-practicing entities (NPEs), operating companies, universities and government institutions.
- Top plaintiffs and their respective top defendants.
- Patent acquisition by patent litigants.
- Top patents involved during litigation in 2024.

## Overall Highlights

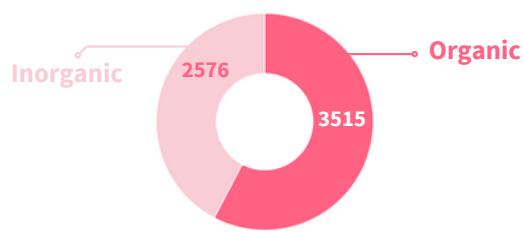
### Total Cases



### Total Litigated Patents



### Patent Source



### Type & Number of Litigants



Operating  
Companies

**6174**



Non-Practicing Entities/  
Patent Trolls

**5779**



Universities/Educational  
Institutions

**76**



Government  
Institutions

**42**

### Top Three Litigated Industries (%)



Electronics  
**22%**



Telecommunication  
**21%**



Pharmaceutical  
**12%**

### Top litigants in 2024

#### Top Operating Companies



#### Top Universities



#### Top Non-Practicing Entities (NPEs)

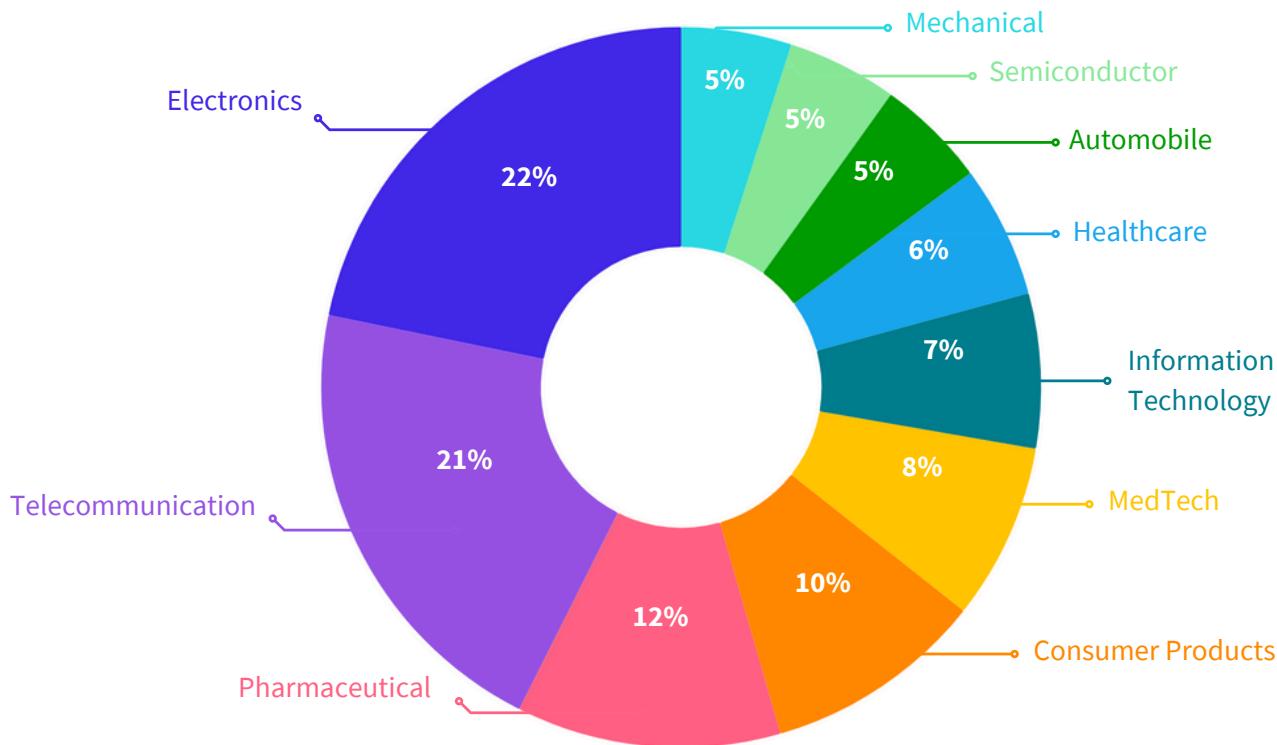
- Morris Routing Technologies ➤ TQ Delta
- Intellectual Ventures ➤ Valtrus Innovations
- Fleet Connect Solutions ➤ Optimorphix Inc
- Dialect ➤ IoT Innovations ➤ Mullen Industries
- Headwater Research

#### Government Institutions



## Patent Litigation - By Industry

The chart showcases a representation of the distribution of patents involved in litigation across the top 10 industries for the year 2024.

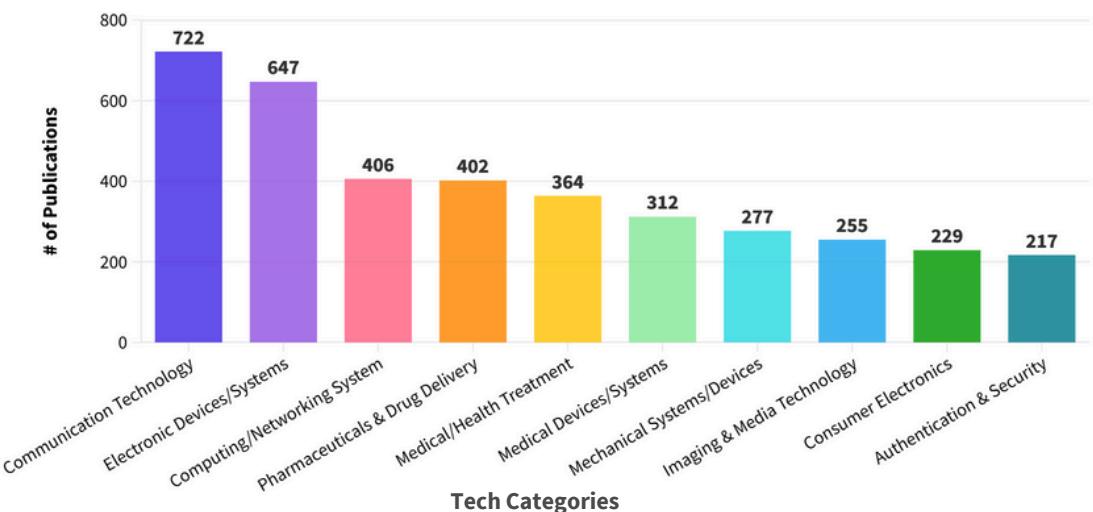


### Insights:

- The majority of patents involved in litigation across these top industries were owned by operating companies, followed by non-practicing entities (NPEs).
- The Entertainment, Aerospace, & Pet Care industries are among the least litigated sectors. Litigation primarily focus on patents related to slide systems in entertainment, fuel processing & propulsion system in aerospace, & pet care products in the pet care industry.
- The majority of litigants in the agriculture industry are operating companies. David Austin Roses Ltd. has been the most active company in patent litigation throughout 2024.
- In the Apparel/Textile industry, patent infringement is found related Digital Clothing. Notably, CLO Virtual Fashion has asserted its patents in this evolving digital fashion space.

## Top Litigated Tech Categories

The chart showcases of the top 10 technology categories involved in litigation across various industries in 2024.

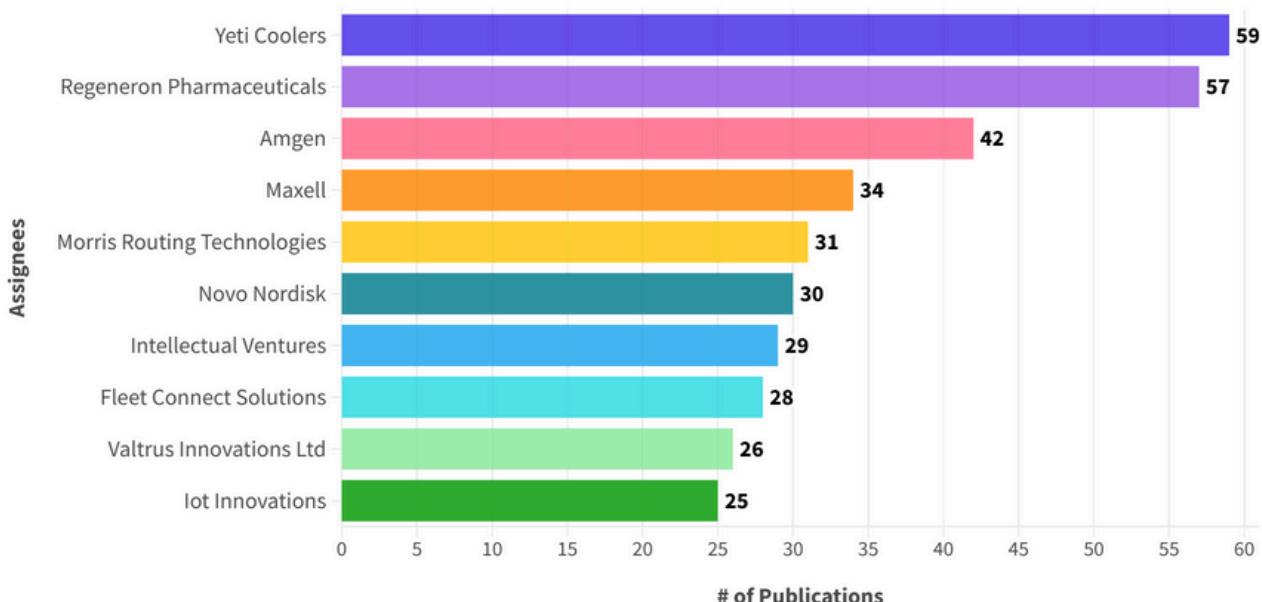


### Insights:

- Patent Armory Inc. is the overall top most litigant and a leading NPE in the communication technology and was involved in litigation against LetsGetChecked Inc.
- Musical Systems, Blockchain Technology and Digital Clothing are the least litigated technology categories in 2024.

## Top Litigants

The chart highlights the top 10 litigants actively driving litigation trends during 2024. It illustrates a view of the companies or entities most engaged in patent litigation.

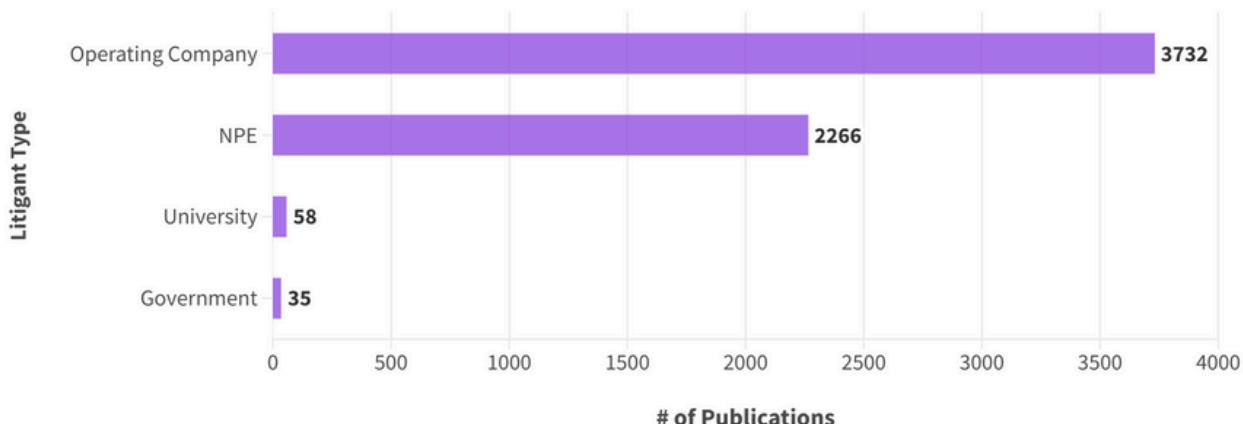


### Insights:

- Yeti Coolers, Regeneron Pharmaceuticals, Amgen, Novo Nordisk, and Maxell are the leading operating companies involved in patent litigation during 2024.
- On the other hand, Morris Routing Technologies, Intellectual Ventures, Fleet Connect Solutions, Valtrus Innovations, and IoT Innovations LLC stand out as the top-ranked non-practicing entities (NPEs) in 2024.
- Yeti Coolers has been involved in litigation over patents related to consumer electronics and household products. While other operating companies have primarily engaged in litigation over patents associated with Protein Engineering, Medical/Health Treatment, and Pharmaceuticals & Drug Delivery.
- All the non-practicing entities (NPEs) were majorly engaged in litigation over patents associated with Computing/Networking System and Communication Technology.

## Assignee Segregation - By Litigant Type

The chart provides a breakdown of the different types of litigants involved in patent litigation during 2024. It highlights the influence of each litigant type.

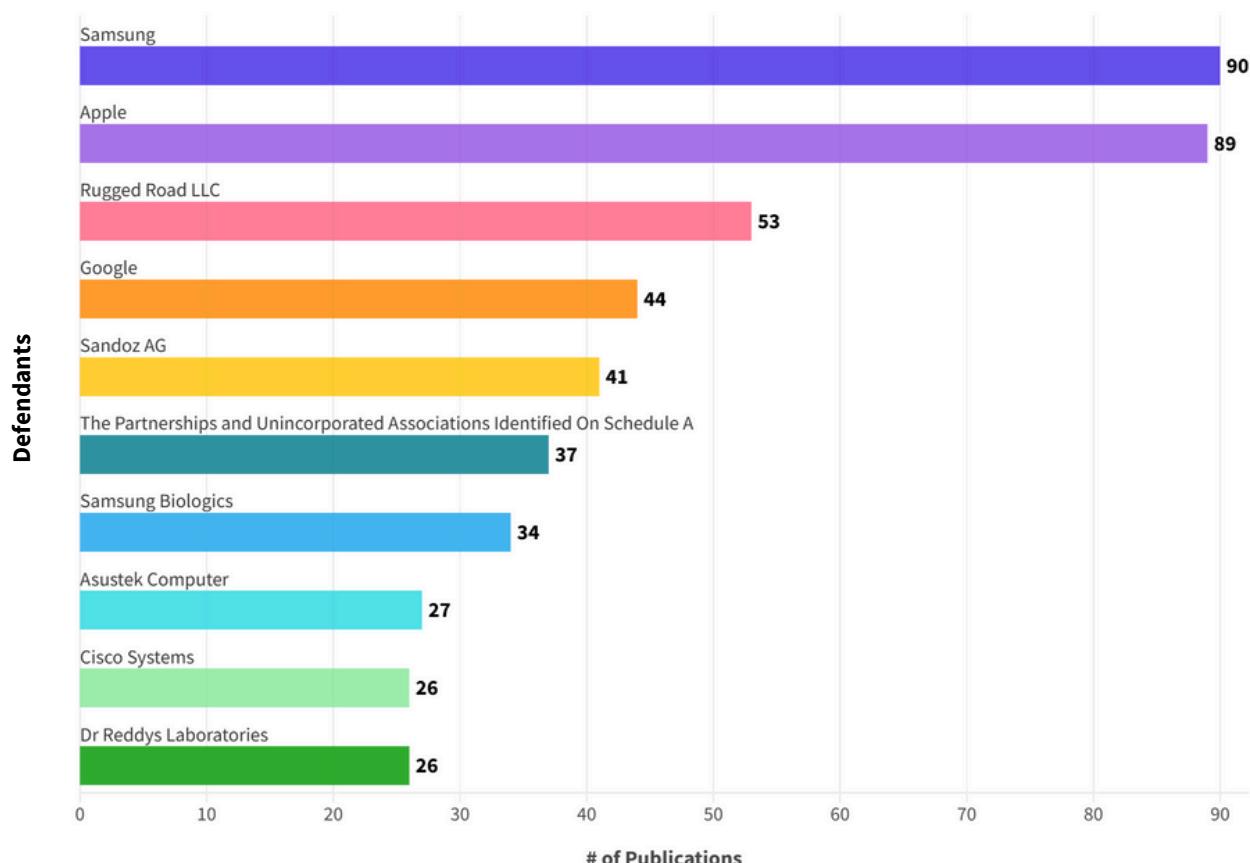


### Insights:

- Operating companies are the most frequently involved litigant type in patent litigations, followed by small-sized NPEs (commonly known as patent trolls).
- Prominent universities, including the Massachusetts Institute of Technology (MIT), Harvard University, New York University, the University of Pennsylvania, and the University of Tokyo, are also involved in the litigation cases.
- Almost 50% of the patents are assigned to assignees other than their original assignees, indicating that a significant portion of the patents were acquired/transferred from their original patent holders.

## Top Defendants

The chart highlights the top 10 defendants actively driving litigation trends during 2024.



### Insights:

- Samsung, Apple and Google were primarily engaged in patent litigation cases concerning technologies related to Communication Technology, Electronic Devices/Systems and Computing/Networking System.
- Samsung Biologics, a subsidiary of Samsung, was defending its patents, which were mainly focused on Protein Engineering.
- Dr. Reddy's Laboratories and Sandoz AG are the defendants in the top 10 who were defending their patents, primarily related to Pharmaceuticals and Drug Delivery.
- Asustek Computer and Cisco Systems were defending its patents that primarily relate to communication technology.

## Top Plaintiffs & Defendants Overlap

The chart illustrates the top plaintiffs and their respective top defendants in patent litigation for the year 2024.

### Plaintiff

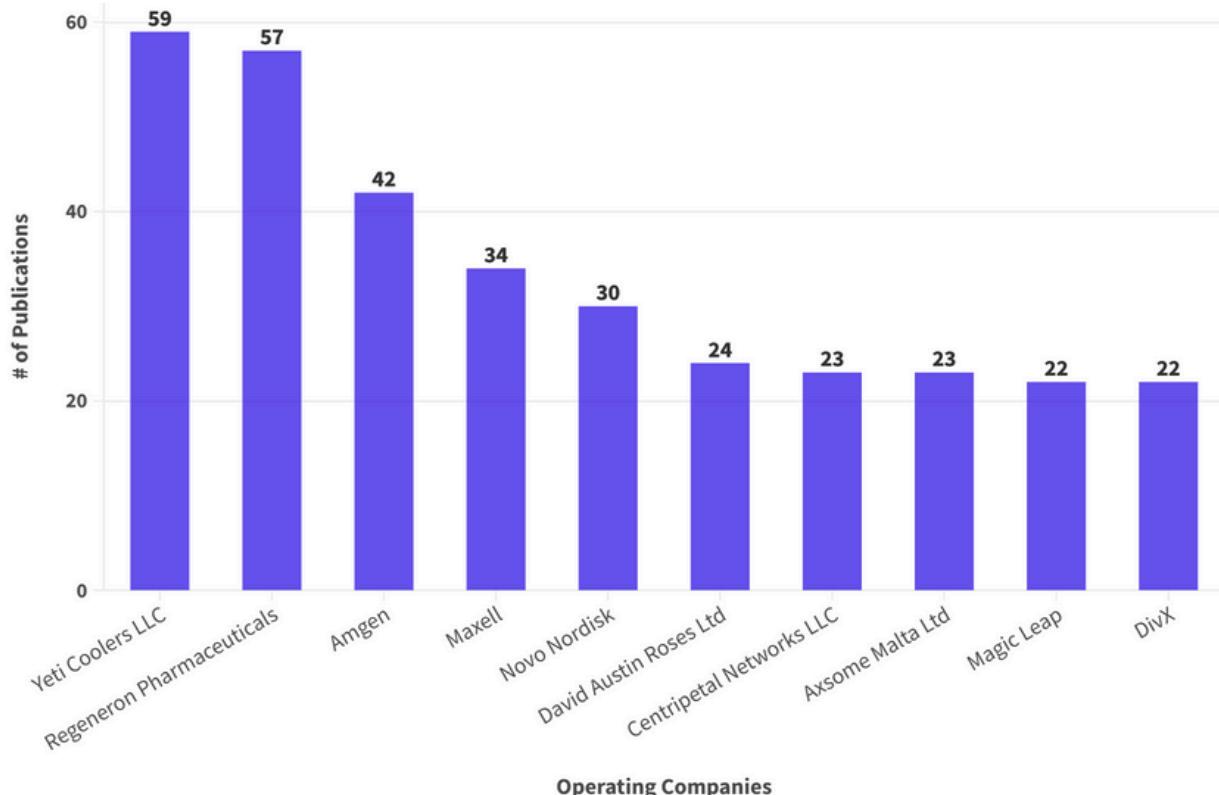
Amgen	34
Fleet Connect Solutions	7
Intellectual Ventures	9
IoT Innovations	15
Maxell	12
Morris Routing Technologies	31
Novo Nordisk	28
Regeneron Pharmaceuticals	38
Valtrus Innovations	11
Yeti Coolers	53

### Defendant

AT&T	7
Apotex Inc	7
Ecobee	8
Google	4
Juniper Networks Inc	3
LG Electronics	6
Lutron	7
Rio Biopharmaceuticals	18
Rugged Road LLC	53
SAP America	7
Samsung	13
Samsung Biologics	13
Sandoz AG	13
Southwest International Trucks	3
T-Mobile	9
Tesla	3
Verizon Communications	8
Volvo	6

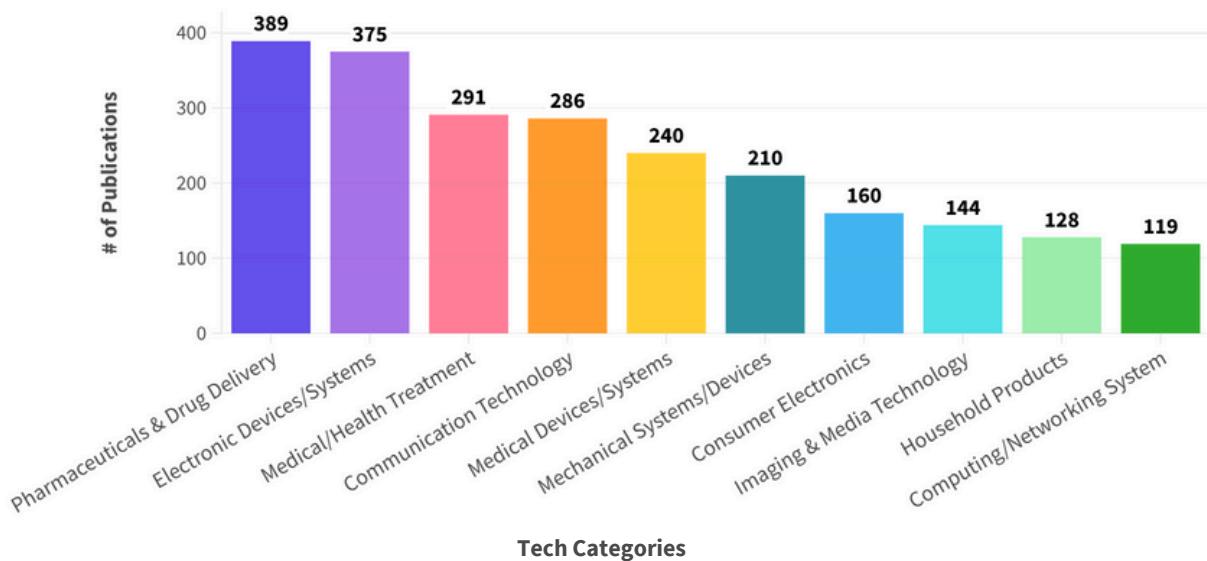
## Top Operating Companies

The chart illustrates an overview of the top 10 operating companies that were actively engaged in patent litigation throughout 2024.



## Top Tech Categories - By Operating Companies

The chart showcases the top 10 technology categories that operating companies prioritized during patent litigation in 2024.

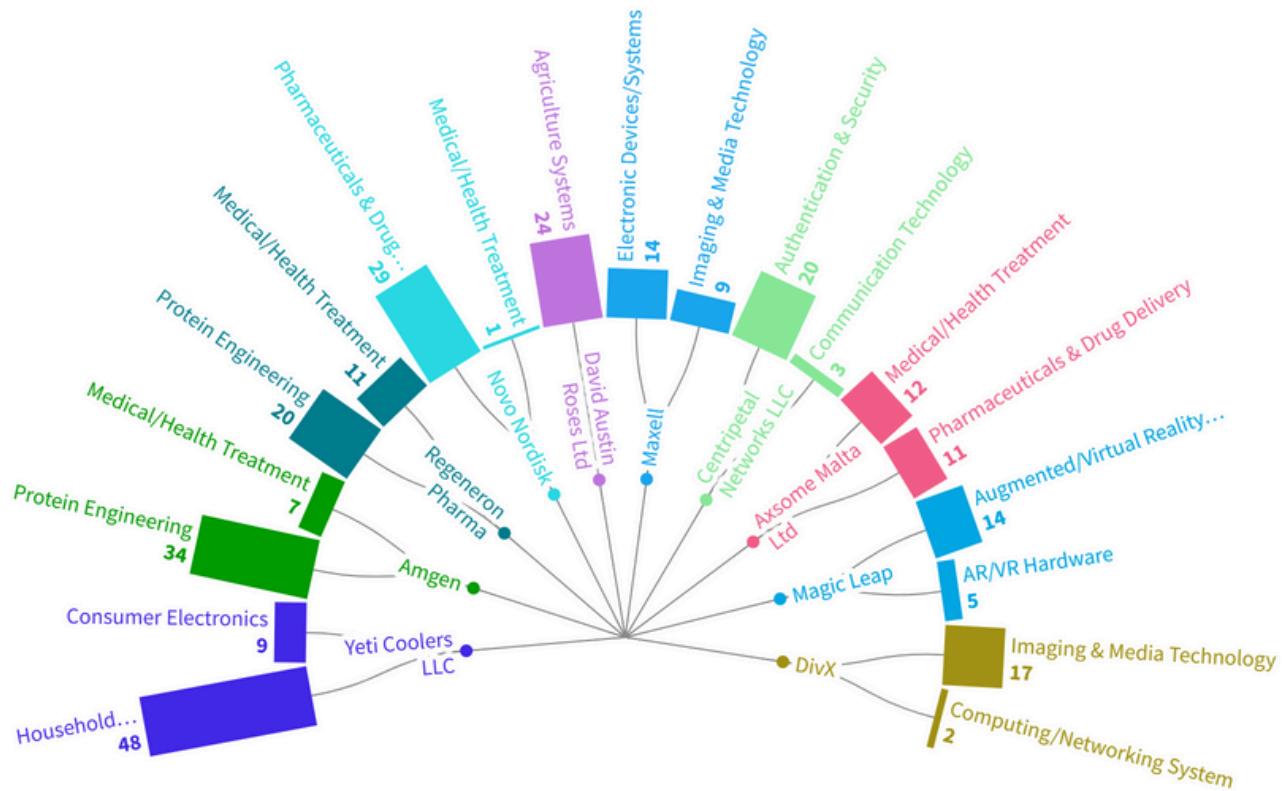


### Insights:

- The majority of patents in the Pharmaceuticals & Drug Delivery category are owned by large operating companies, reflecting their significant presence and investment in this category. In contrast, most patents in the Electronic Devices/Systems category are held by medium and small-sized operating companies, highlighting the diverse range of players contributing to innovation in this area.

# Top Operating Companies & Tech Category Overlap

The chart showcases the top 10 operating companies and their corresponding top two technology categories engaged during patent litigation in 2024.

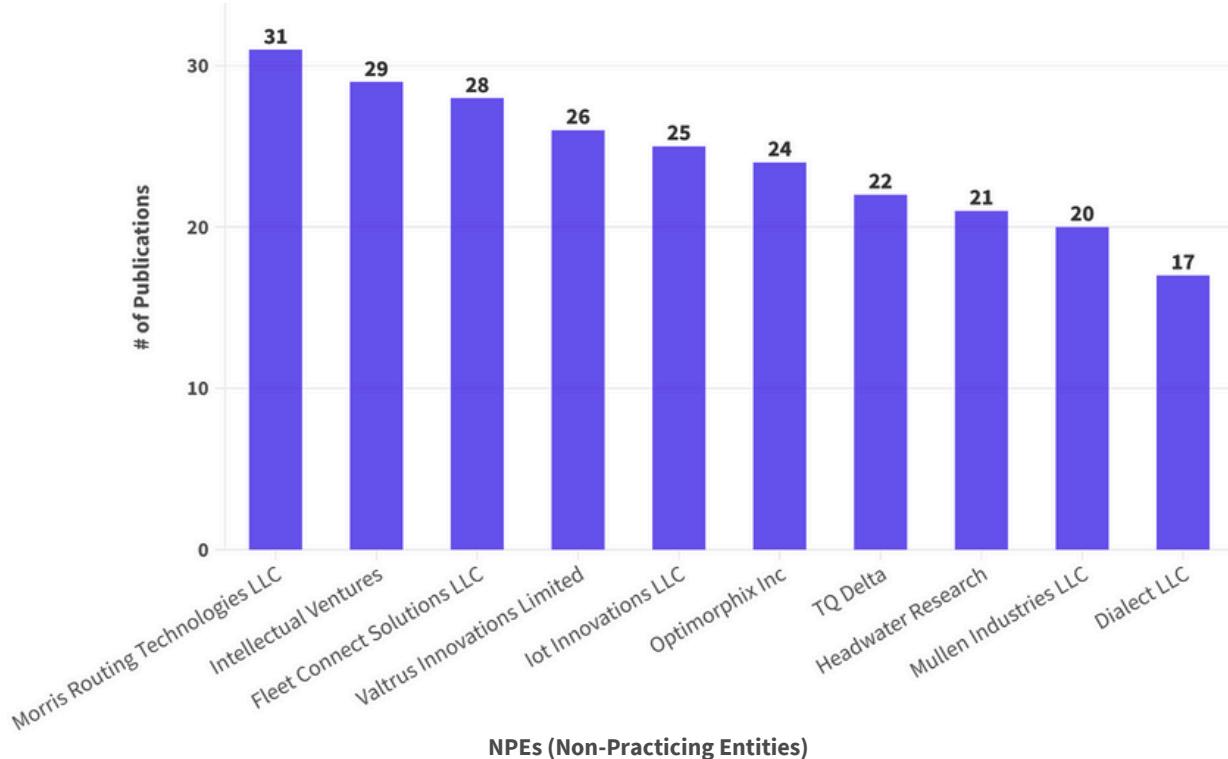


## Insights:

- Top operating companies such as Yeti Coolers LLC, Amgen Inc., Novo Nordisk, Regeneron Pharmaceuticals, and Maxell are large-sized litigants, while David Austin Roses Ltd., Axsome Malta Ltd., Centripetal Networks LLC, Intra-Cellular Therapies, and Magic Leap are medium-sized litigants.
- In addition to the highlighted technology categories, the top operating companies have also concentrated on other tech categories such as Mechanical Systems/Devices, Packaging/Container Systems, Semiconductor Devices/Systems, and more.

## Top NPEs

The chart illustrates the top 10 non-practicing entities (NPEs) actively engaged in patent litigation during 2024. It highlights the most prominent NPEs, which are organizations that hold patents but do not manufacture products or provide services related to those patents.

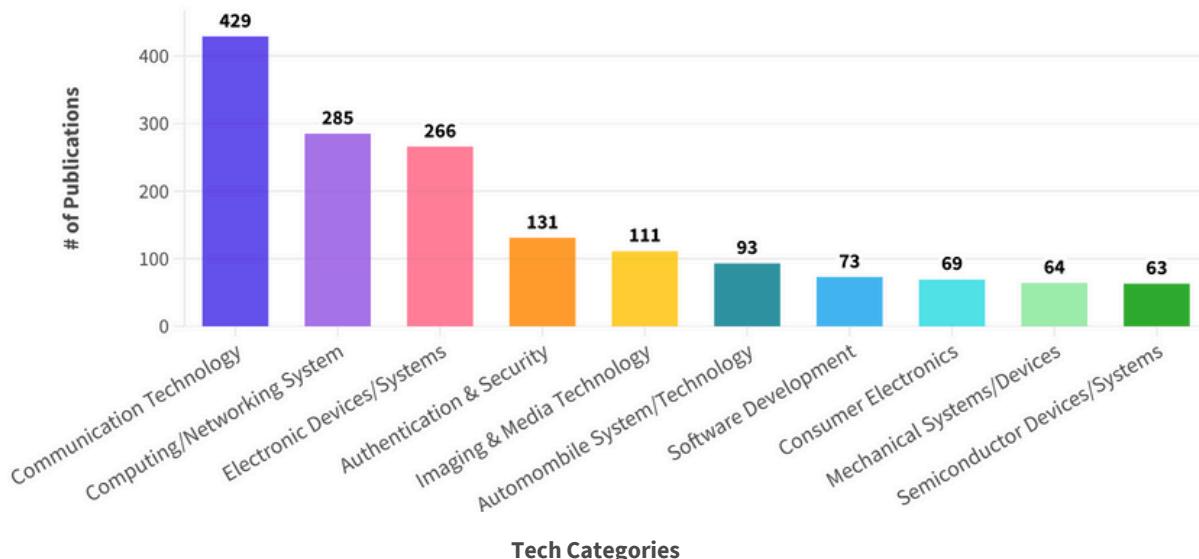


### Insights:

- In the Entertainment Industry, there are no recorded cases of patent litigation involving Non-Practicing Entities (NPEs). This indicates that, unlike in other technology sectors where NPEs actively enforce their patent portfolios through litigation, the entertainment industry has not seen significant involvement from such entities.

## Focused Tech Categories - By NPEs

The chart depicts the top 10 technology categories focused by NPEs during patent litigation in 2024.

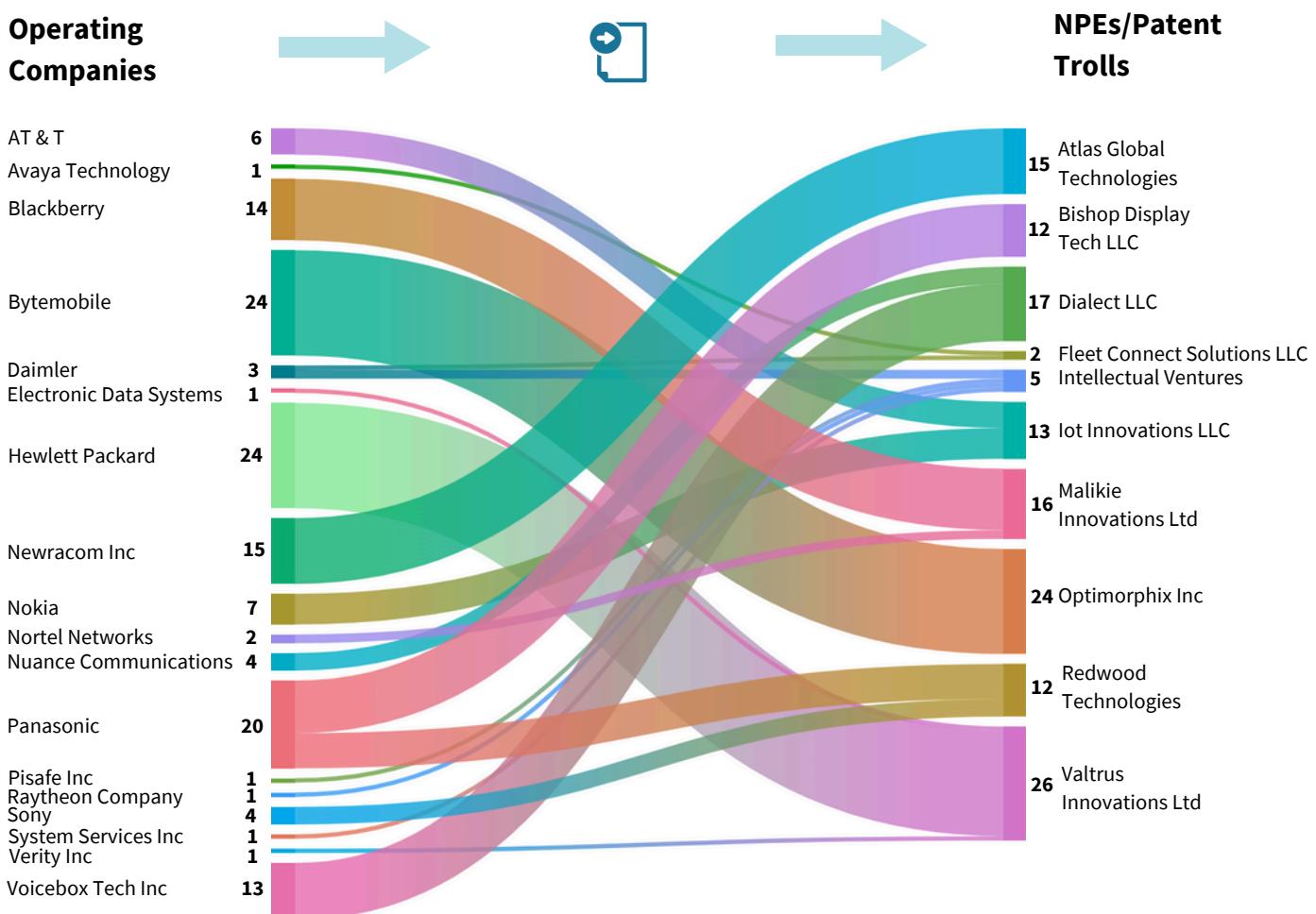


### Insights:

- Morris Routing Technologies LLC, Intellectual Ventures, Fleet Connect Solutions LLC, Valtrus Innovations Limited, and IoT Innovations LLC are the top five NPEs with the highest number of patents, most of which are related to Communication Technology and Computing/Networking System.

## Patent Acquisition - By NPE

The chart highlights top 10 notable NPEs that were assigned patents from well known operating companies, which were the original assignees of their corresponding patents.

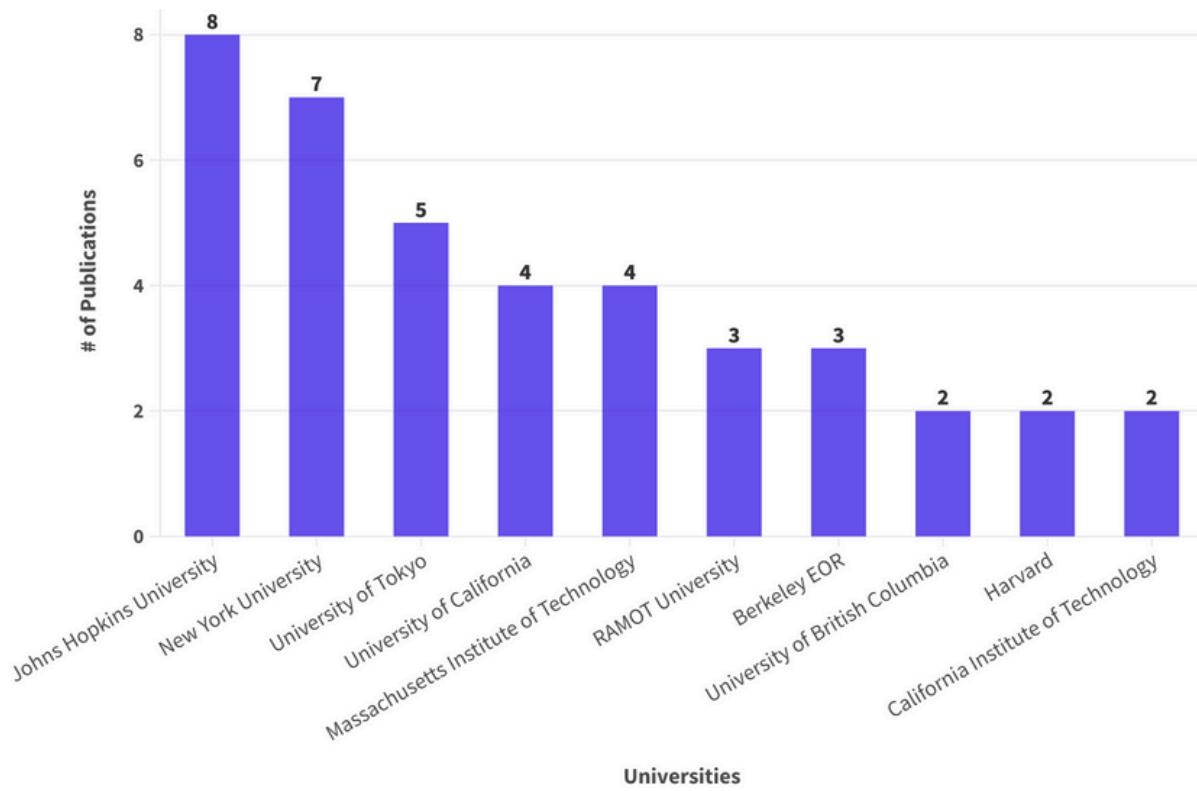


### Insights:

- The patents acquired by non-practicing entities (NPEs) span a wide range of technology categories that include Automobile Systems/Technology, Communication Technology, AI/Machine Learning Systems, Payment/Banking Systems, Computing/Networking Systems, Web Development, Authentication & Security, Consumer Electronics, and Software Development.
- In 2022, Asustek Computer established ASUS Technology Licensing Inc. to conduct research on mobile communication technologies. Additionally, Asustek Computer, operating through ASUS Technology Licensing Inc., has functioned as an NPE and was involved in a patent infringement lawsuit against Samsung and Lenovo.

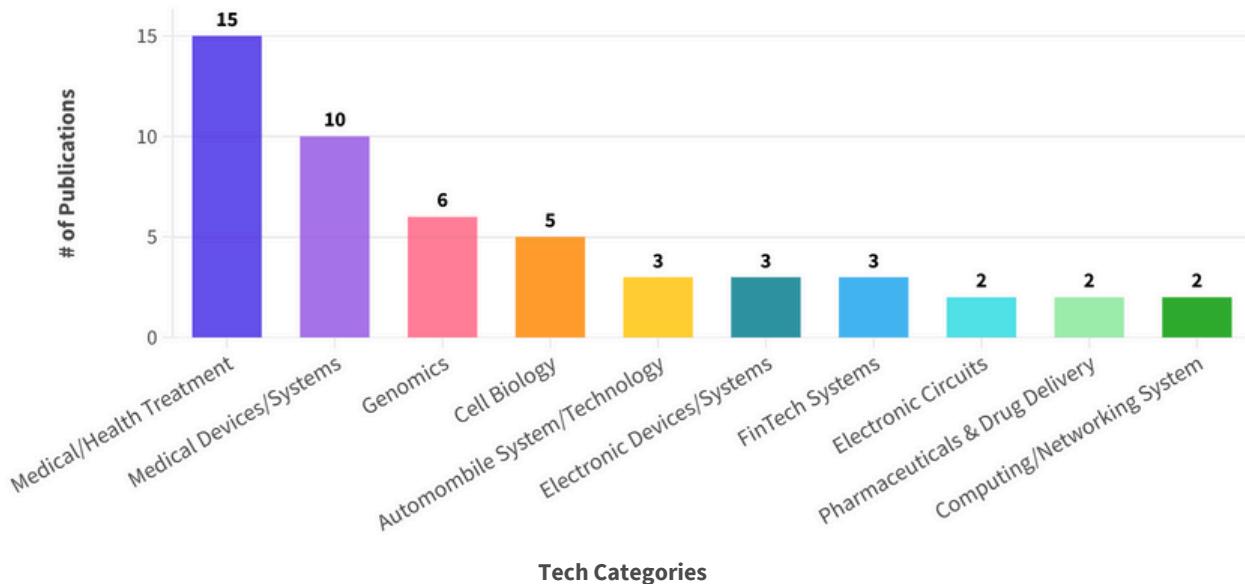
## Top Universities

The chart highlights the top 10 universities actively engaged in patent litigation during 2024. It sheds light on the universities that are leveraging their patents to protect their innovations.



## Focused Tech Categories - By Universities

The chart depicts the top 10 technology categories focused by universities during patent litigation in 2024.

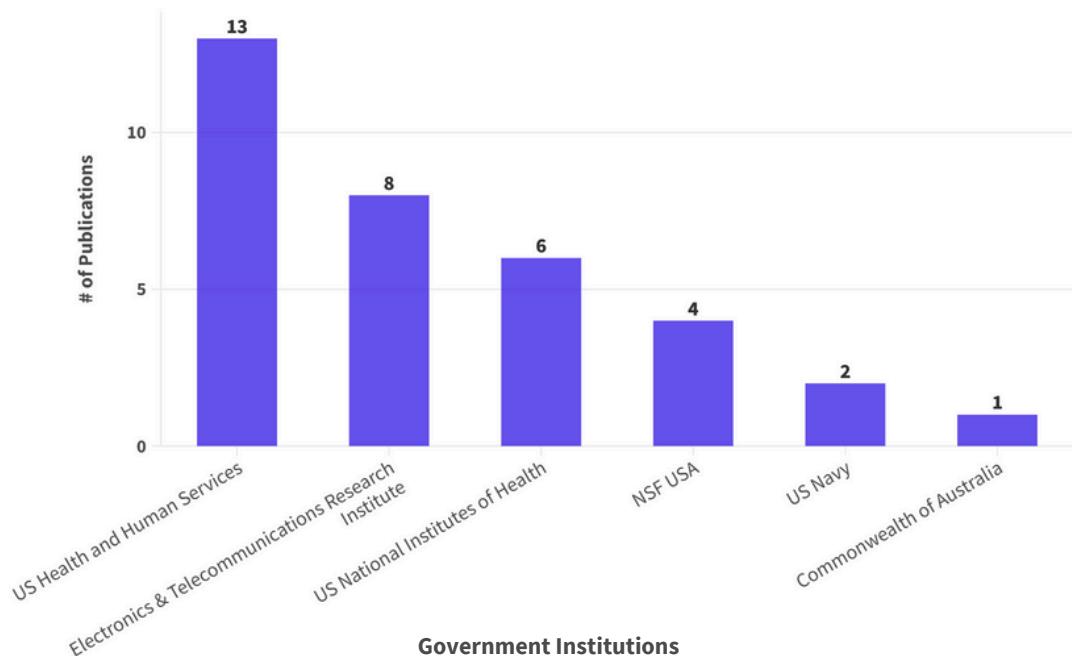


### Insights:

- Johns Hopkins University, New York University, the University of Tokyo, the Massachusetts Institute of Technology (MIT), and the University of California are the top five universities with the highest number of patents, most of which are related to Medical/Health Treatment, Medical Devices/Systems, Cell Biology, and Automobile Systems/Technology.

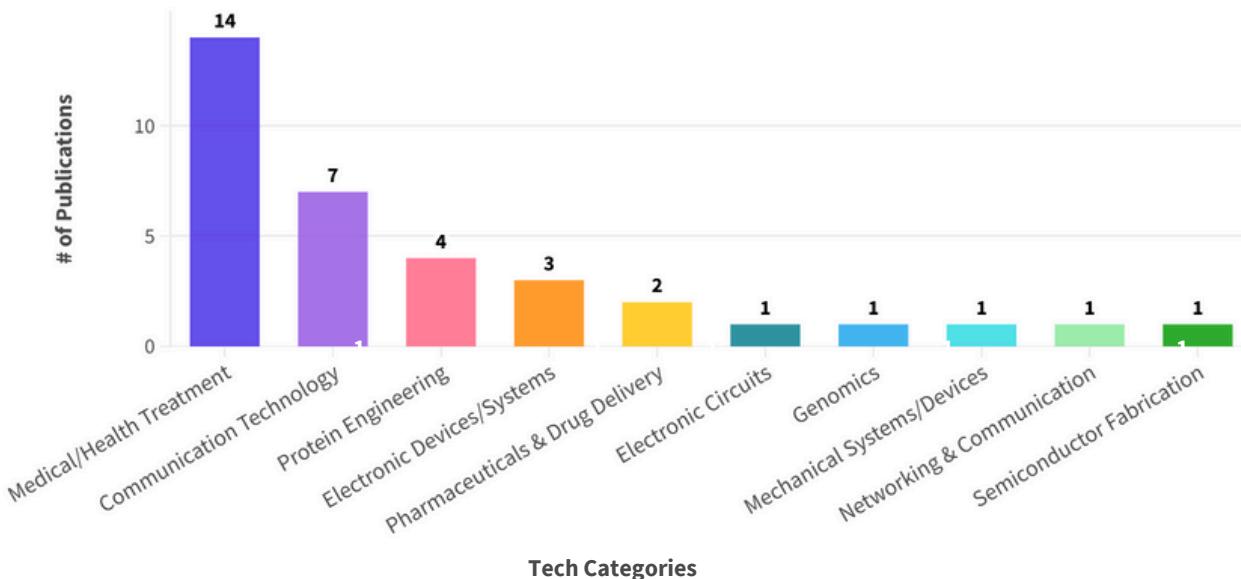
## Government Institutions

The chart showcases the top government institutions involved in patent litigation in 2024. It highlights the key public sector organizations that are involved in legal disputes over patents.



## Focused Tech Categories - By Government Institutions

The chart depicts the top 10 technology categories focused by universities during patent litigation in 2024.

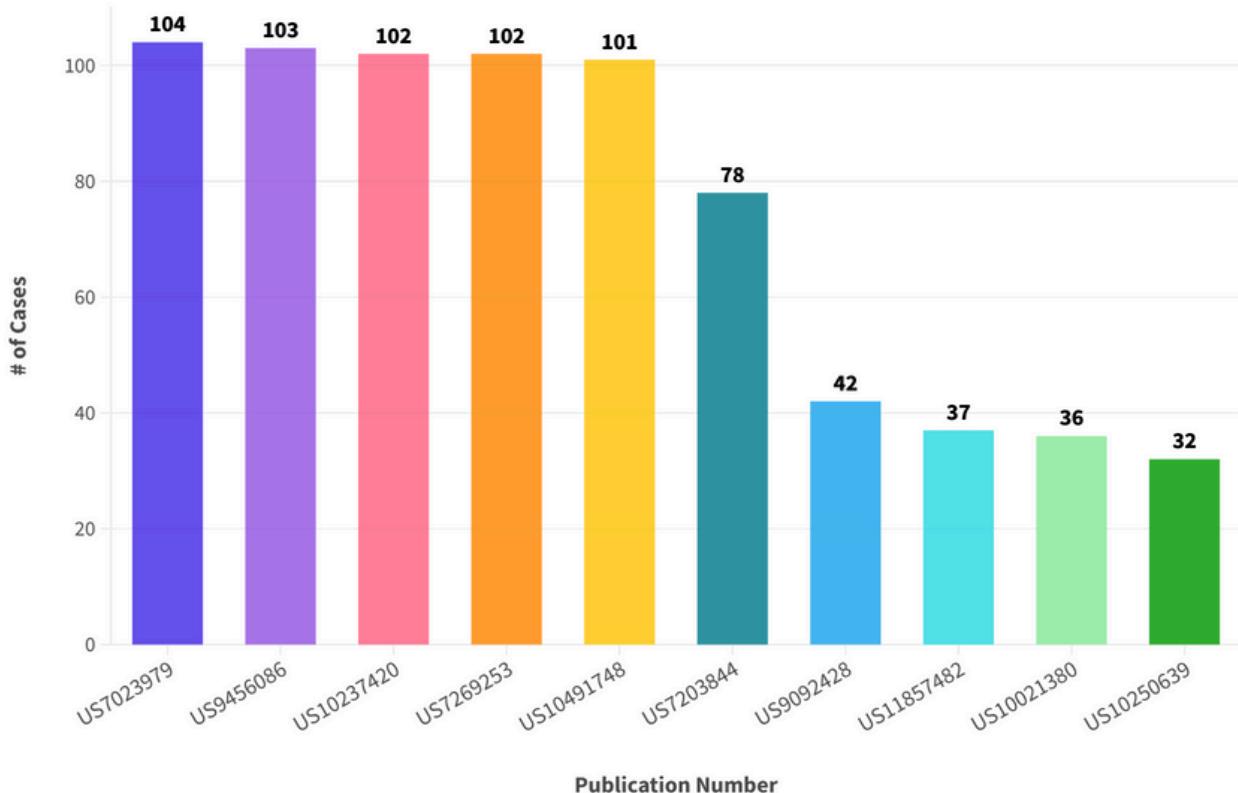


### Insights:

- The US Department of Health and Human Services (HHS), Electronics and Telecommunications Research Institute (ETRI), US National Institutes of Health (NIH), National Science Foundation (NSF) USA, and the US Navy are the top five government institutions with the highest number of patents. These patents are primarily related to Medical/Health Treatment, Communication Technology, Electronic Devices/Systems, and Genomics.

## Top Litigated Patents

The charts showcases the top 10 most litigated patents across various technologies involved in patent litigation during 2024. These patents represent key innovations that have become focal points in patent litigation cases, reflecting their significance within their respective technological categories.



### Insights:

- The above highlighted top litigated patents are assigned to Patent Armory Inc, Torus Ventures LLC, Linfo Ip LLC, Vdpp LLC, Hyperice IP Subco LLC and Digital Doors Inc.
- The technologies associated with the litigated patents mentioned above relate to intelligent telecommunications systems, digital content protection system, software development, wearable technology, medical devices and data processing system.

Below is a list of the top 10 litigated patents along with their corresponding titles.

Sr. No	Publication Number	Title
1	US7023979	Telephony control system with intelligent call routing
2	US9456086	Method and system for matching entities in an auction
3	US10237420	Method and system for matching entities in an auction
4	US7269253	Telephony control system with intelligent call routing
5	US10491748	Intelligent communication routing system and method
6	US7203844	Method and system for a recursive security protocol for digital copyright control
7	US9092428	System, methods and user interface for discovering and presenting information in text content
8	US11857482	Massage device having variable stroke length
9	US10021380	Faster state transitioning for continuous adjustable 3Deeps filter spectacles using multi-layered variable tint materials
10	US10250639	Information infrastructure management data processing tools for processing data flow with distribution controls

## Key Takeaways



- Patent Litigation Volume:** A total of 5,961 patent cases were filed in U.S. courts in 2024, reflecting ongoing patent enforcement trends.
- Litigated Patents:** The total number of patents involved in litigation reached 6,091, highlighting the widespread nature of patent disputes.
- Top Litigated Industries:** Key industries facing the most patent litigation include electronics, telecommunication, pharmaceutical, consumer products, MedTech, IT, healthcare, automobile, semiconductor, and mechanical.
- Major Patent Litigants:** Notable companies involved in significant patent disputes in 2024 include Yeti Coolers, Regeneron Pharmaceuticals, Amgen, Maxell, and Novo Nordisk.
- Most Litigated Technologies:** Leading technologies in patent disputes were communication technology, electronic devices/systems, computing/networking systems, and pharmaceutical & drug delivery.
- Most Litigated Technologies:** Leading technologies in patent disputes were communication technology, electronic devices/systems, computing/networking systems, and pharmaceutical & drug delivery.
- Cross-Industry Patent Conflicts:** Patent litigation spans multiple industries, reflecting the interconnected nature of technology, healthcare, and consumer product innovations.

## Disclaimer

The report contains no legal opinion and only seeks to provide a technical analysis. However, the report may include personal, non-legal judgment of technical researcher(s) involved in the search, analysis, and preparation of this report. Therefore, no content of this report should be construed as having any legal weight or being legally dispositive in any manner.

# Thank You!

### CONTACT US:

W: [www.bayslope.com](http://www.bayslope.com)

W: [www.techreport99.com](http://www.techreport99.com)

E: [business@bayslope.com](mailto:business@bayslope.com)

P: +1 650 353 7723 (US)

P: +44 1392 58 1535 (UK)

P: +91 981 196 7160 (IN)

For technology reports visit us at [techreport99](http://techreport99)



For patent solutions visit us at [Bayslope](http://Bayslope)

