

**Patexia**



March 2024

# Patent Prosecution 2024.

## Intelligence Report

January 2019 — December 2023

A comprehensive report on the **Best Performing** and **Most Active** Patent Prosecution Law Firms.

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# Introduction.

In today's fast-paced and innovation-driven world, understanding the dynamics of patent activity, emerging technologies, major stakeholders, and legal developments is crucial for businesses, legal professionals, policymakers, investors, and innovators alike. As we dive into the findings of this report, it's essential to recognize the impact of Artificial Intelligence (AI) in shaping patent search, examination, and inventorship issues, particularly notable with the introduction of various AI tools throughout 2023.

Director Vidal, in her first full fiscal year of 2023, has embarked on a campaign of various [Listening Sessions](#) with IP stakeholders, seeking to gain deeper insights into the challenges and opportunities within the USPTO and the broader IP ecosystem. In response to the feedback received, the USPTO has initiated a series of [rulemaking processes](#) aimed at addressing key concerns raised by stakeholders.

In 2023, the United States saw a 2.5% increase in real gross domestic product (GDP) compared to the previous year, as [reported](#) by the Bureau of Economic Analysis. This growth was reflected in various sectors, including consumer spending, non-residential fixed investment, state and local government spending, exports, and federal government spending, although it was partly offset by decreases in residential fixed investment and private inventory investment. Despite some fluctuations in different economic indicators, the overall trend indicated a positive outlook for patent activity, highlighting the resilience and adaptability of the innovation ecosystem.

At Patexia, we are dedicated to equipping our clients with the intelligence and resources necessary to make informed business decisions, thereby enabling them to maintain a competitive edge in the patent landscape. Recognizing the importance of staying ahead of industry trends, our reports and analyses are carefully crafted to facilitate just that. We offer more than just a snapshot of the present patent environment; instead, we provide a comprehensive overview of trends spanning the past five years. This perspective enables our clients to identify patterns and anticipate shifts in the patent landscape, thereby guiding their strategic planning and decision-making processes. We are confident that the insights provided in this latest edition will prove invaluable to our clients as they navigate the dynamic landscape of patent prosecution.



*Pedram Sameni*

*Pedram Sameni*  
Founder and CEO

## What's in the 2024 Edition?

In its sixth year, the Patent Intelligence report continues its mission to chart the patent prosecution terrain harnessing diverse datasets to generate a wide array of statistics and providing comprehensive insights. Our analysis includes patent application types, technology centers, time to grant patents across different technology centers, yearly filing and issuance trends, high-tech and biotech activity, the activity of foreign countries and companies, as well as the most inventive cities and states in the US. Additionally, we examine the dynamics of countries experiencing growth and decline in patent filings, providing a comprehensive overview of the global innovation landscape.

Since 2016, our journey into data analysis led us to the pioneering task of ranking law firms and companies based on their activities. Yet, data cleaning was a major challenge. The complex corporate structures, name variations, and the aftermath of mergers often obscured the true activity levels of entities. Moreover, filing errors further compounded the challenge of finding the correct entity name. The Patexia Data Science team has perfected our *Entity Name Resolution* algorithm to overcome these challenges. By leveraging *Natural Language Processing* (NLP) techniques and *Machine Learning*, we've developed the capability to automatically extract key information from extensive PDF documents. These algorithmic advancements have enabled us to rank all companies and law firms based on their activity and performance, analyzing various metrics as detailed in our ranking methodology, which is further explained [here](#).

We've engaged in discussions with numerous patent attorneys within our community, many of whom underscored the significance of interviews with examiners and the specific attorney who works on the patent applications in order to extract information related to patent attorneys and agents by examining application data and interviews with the USPTO examiners. This has made possible the evaluation and ranking of attorneys and agents, similarly as is done for companies and law firms.

Additionally, this report provides detailed information on lateral movements among patent attorneys, offering insights into the evolving landscape of legal representation and strategic partnerships within the IP industry. This data is complemented by lists ranking the top growing and declining firms and companies, further enriching the understanding of the competitive dynamics within the patent landscape.

This year's report comprises two files: a detailed PDF document showcasing comprehensive statistics and an Excel file containing all data and metrics covering technology centers, art units, and the top 2,000 most active attorneys, agents, law firms, and companies. It also includes insights into lateral moves occurring among the top 2,000 most active attorneys, alongside rankings of the top 50 companies and firms based on their growth or decline in the number of patents issued in 2023 compared to 2022.

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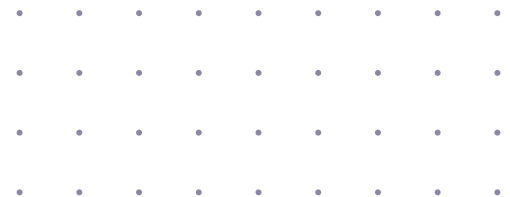
# Appendices.

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# Appendix A: Technology Centers and Art Units Stats.

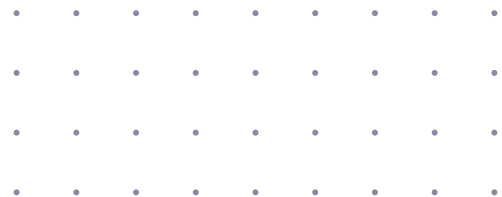
We have provided the following metrics for all 11 *Technology Centers* and 659 *Art Units*. Please check the accompanying Excel document for more details.

- |  |                                      |
|--|--------------------------------------|
| 1 Technology Center / Art Unit         | 7 Allowance Rate (Application Level) |
| 2 Number of Applications               | 8 Average Number of Office Actions   |
| 3 Number of Issued Patents             | 9 Average Number of Extensions       |
| 4 Number of Claims Applied for         | 10 Average Number of Interviews      |
| 5 Number of Claims Allowed             | 11 Pendency (Months)                 |
| 6 Number of Independent Claims Allowed |                                      |



# Appendix B: Best Performing and Most Active Badges.

As per our tradition, every year Patexia designs two types of badges for *Best Performing* and *Most Active* law firms as they ranked in different categories (overall, high-tech or biotech). Any of our Concierge members or firms purchasing the report will receive the proper badges based on their rankings.

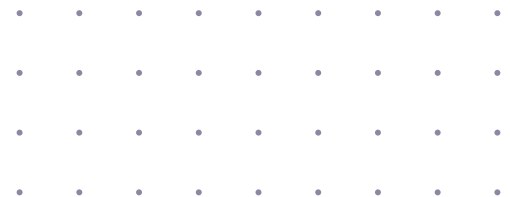




# Appendix C: Top 2,000 Best Performing Companies.

Please check the accompanying Excel file to view the list of the Top 2,000 Companies. We have provided the following metrics:

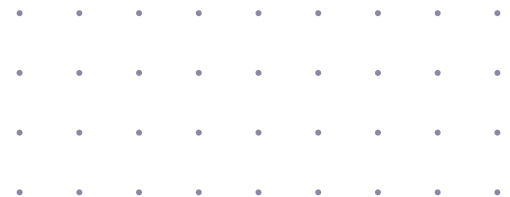
- |                                       |   |
|---------------------------------------|---|
| 1 Company Name                        | 19 Average Ratio of Word Count for Independent Claims (Application to Patent) |
| 2 All Patents Excluding Design        | 20 Average Word Count for Independent Claims                                  |
| 3 All Patents Including Design        | 21 Pendency (Days)  |
| 4 BioTech Patents                     | 22 Average Number of Office Actions   |
| 5 HighTech Patents                    | 23 Average Number of Interviews   |
| 6 Activity Rank (Overall)             | 24 Average Number of Extensions   |
| 7 Overall Rank                        | 25 Clients  |
| 8 Activity Rank (Biotech)             | 26 USPTO Fees (5 Years)   |
| 9 Overall Rank (Biotech)              | 27 Law Firm Fees (5 Years)  |
| 10 Activity Rank (High-Tech)          | 28 Maintenance Fees (5 Years)   |
| 11 Overall Rank (High-Tech)           | 29 2023 Activity Rank (Overall)   |
| 12 Final Score (%)                    | 30 2023 Overall Rank  |
| 13 Final Score (Biotech)              | 31 2023 Activity BioTech Rank   |
| 14 Final Score (High-Tech)            | 32 2023 Overall BioTech Rank  |
| 15 Success Score (%)                  | 33 2023 Activity HighTech Rank  |
| 16 Quality Score (%)                  | 34 2023 Overall HighTech Rank   |
| 17 Allowance Rate (Application Level) |   |
| 18 Allowance Rate (Claim Level)       |   |



# Appendix D: Top 2,000 Best Performing Law Firms.

Please check the accompanying Excel file to view the list of the Top 2,000 Law Firms. We have provided the following metrics:

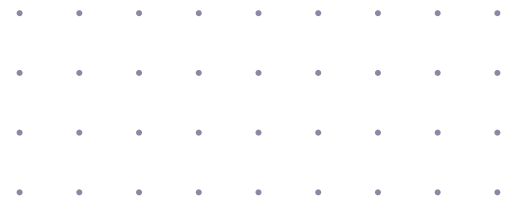
- |                                       |   |
|---------------------------------------|---|
| 1 Law Firm Name                       | 19 Average Ratio of Word Count for Independent Claims (Application to Patent) |
| 2 All Patents Excluding Design        | 20 Average Word Count for Independent Claims                                  |
| 3 All Patents Including Design        | 21 Pendency (Days)  |
| 4 BioTech Patents                     | 22 Average Number of Office Actions   |
| 5 HighTech Patents                    | 23 Average Number of Interviews   |
| 6 Activity Rank (Overall)             | 24 Average Number of Extensions   |
| 7 Overall Rank                        | 25 Clients  |
| 8 Activity Rank (Biotech)             | 26 USPTO Fees (5 Years)   |
| 9 Overall Rank (Biotech)              | 27 Law Firm Fees (5 Years)  |
| 10 Activity Rank (High-Tech)          | 28 Maintenance Fees (5 Years)   |
| 11 Overall Rank (High-Tech)           | 29 2023 Activity Rank (Overall)   |
| 12 Final Score (%)                    | 30 2023 Overall Rank  |
| 13 Final Score (Biotech)              | 31 2023 Activity BioTech Rank   |
| 14 Final Score (High-Tech)            | 32 2023 Overall BioTech Rank  |
| 15 Success Score (%)                  | 33 2023 Activity HighTech Rank  |
| 16 Efficiency Score (%)               | 34 2023 Overall HighTech Rank   |
| 17 Allowance Rate (Application Level) |   |
| 18 Allowance Rate (Claim Level)       |   |



# Appendix E: Top 2,000 Best Performing Attorneys.

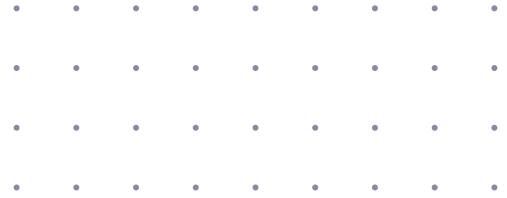
Please check the accompanying Excel file to view the list of the Top 2,000 attorneys. We have provided the following metrics:

- |                                       |   |
|---------------------------------------|---|
| 1 Attorney Name                       | 20 Average Ratio of Word Count for Independent Claims (Application to Patent) |
| 2 Law Firm Name                       | 21 Average Word Count for Independent Claims                                  |
| 3 All Patents Excluding Design        | 22 Pendency (Days)  |
| 4 All Patents Including Design        | 23 Average Number of Office Actions   |
| 5 BioTech Patents                     | 24 Average Number of Interviews   |
| 6 HighTech Patents                    | 25 Average Number of Extensions   |
| 7 Activity Rank (Overall)             | 26 Clients  |
| 8 Overall Rank                        | 27 USPTO Fees (5 Years)   |
| 9 Activity Rank (Biotech)             | 28 Law Firm Fees (5 Years)  |
| 10 Overall Rank (Biotech)             | 29 Maintenance Fees (5 Years)   |
| 11 Activity Rank (High-Tech)          | 30 2023 Activity Rank (Overall)   |
| 12 Overall Rank (High-Tech)           | 31 2023 Overall Rank  |
| 13 Final Score (%)                    | 32 2023 Activity BioTech Rank   |
| 14 Final Score (Biotech)              | 33 2023 Overall BioTech Rank  |
| 15 Final Score (High-Tech)            | 34 2023 Activity HighTech Rank  |
| 16 Success Score (%)                  | 35 2023 Overall HighTech Rank   |
| 17 Efficiency Score (%)               |   |
| 18 Allowance Rate (Application Level) |   |
| 19 Allowance Rate (Claim Level)       |   |



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# Contact Us.



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**Disclaimer:** *The data for this report was obtained from public sources including USPTO, PTAB, and PACER, as well as self-reported by attorneys on Patexia’s website. Patexia has gone to great lengths to provide valid and accurate analysis based on this data. However, Patexia does not guarantee 100 percent accuracy nor take any responsibility for possible losses caused by the use of information provided in this report.*

**The fine print**

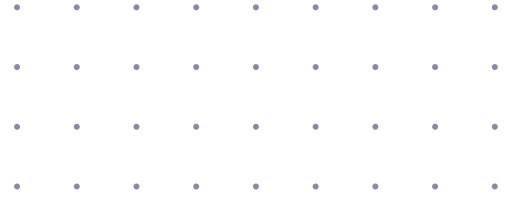
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