



Indian Patent & Design Statistics Report – 2025

By

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Table of Contents

I. Background	2
II. Structure	2
III. Part 1 – Patent Statistics	3
Key Highlights for the year 2024	3
2024 in review	4
2020 to 2024 : What changed in five (5) years?	8
IV. Part II – Design Statistics.....	15
V. Conclusion	16
VI. Feedback/Inputs.....	16
VII. About BananaIP	16
VIII. Disclaimer	17

I. Background

This report on Patent and Design statistics for the year 2024 has been prepared by BananalP Counsels (“BananalP”) as a part of its knowledge dissemination initiatives. The report is based on the information and data available on the Indian Intellectual Property (IP) Office website and databases, and is accurate to the extent of data publication, availability, and searchability.

Over the last 10 years, BananalP has been publishing IP statistics reports on a weekly, monthly, and yearly basis on Intellopedia, the firm's IP News resource, and this report continues BananalP's ongoing contribution to the flow of knowledge in the field of intellectual property.

It may be noted that this report provides data based on calendar years as opposed to the reports of the IP Office, which are based on financial years.

II. Structure

This statistics report is structured in a two-part format. The first part of the report deals with statistics related to Patent filings, publications, examinations and grants. The second part of the report deals with Industrial designs and the statistics related to the same.

III. Part 1 – Patent Statistics

Key Highlights for the year 2024

- Patent **publications increased** by 60% from 66,493 publications in 2023 to 1,06,231 publications in 2024.
- **Examination of applications reduced** by over 36%. Only 14,705 applications were examined in 2024 compared to 23,295 applications in 2023.
- **Patent grants decreased** by about 15%. A total of 64,941 applications were granted in 2024.
- Total **refusals went up** slightly with 3% more applications being refused in 2024.
- Based on the Applicant's city of residence / business, **Delhi contributed to the most number of patent filings** (7,968 applications) followed closely by Chennai on the second position with 7,511 applications.

2024 in review

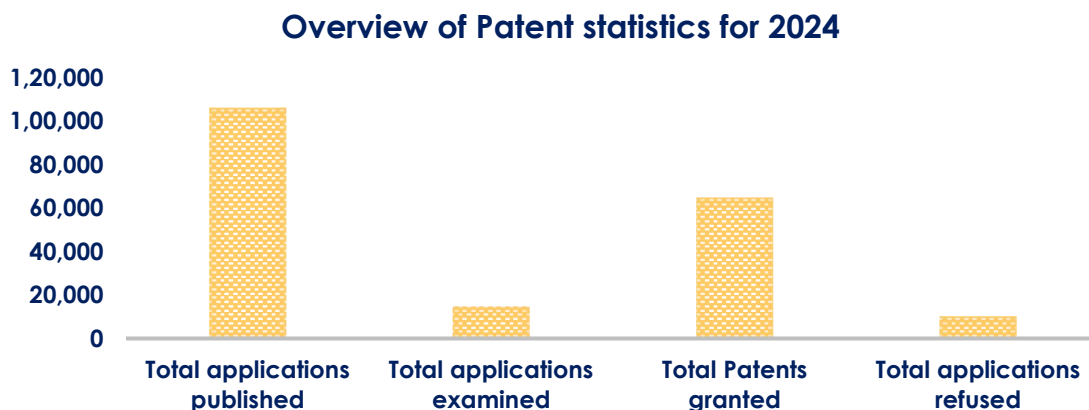
Overview of Patent statistics for the year 2024

In 2024, a total of 1,06,231 applications were published marking a 60% increase from 2023. The examination of applications appears to have however slowed down and has been on a continuous decline since 2020. An assumption on the reduced examination reports is that the patent office had accumulated a large backlog of applications which the patent office sought to clear between 2020 and 2022. The offices therefore examined more applications and issued higher numbers of examination reports in these years. A total of 64,941 applications were granted in 2024 which marks a decrease since 2023.

The Table below provides the statistics relating to patent publications, grants, and examinations for the calendar year 2024.

Particulars	Total number of applications
Total applications published	1,06,231
Total applications examined	14,705
Total Patents granted	64,941
Total applications refused	10,201

The image below is a graphical representation of the statistics relating to patent publications, grants, and examinations for the calendar year 2024.



City-wise patent Publication statistics for 2024

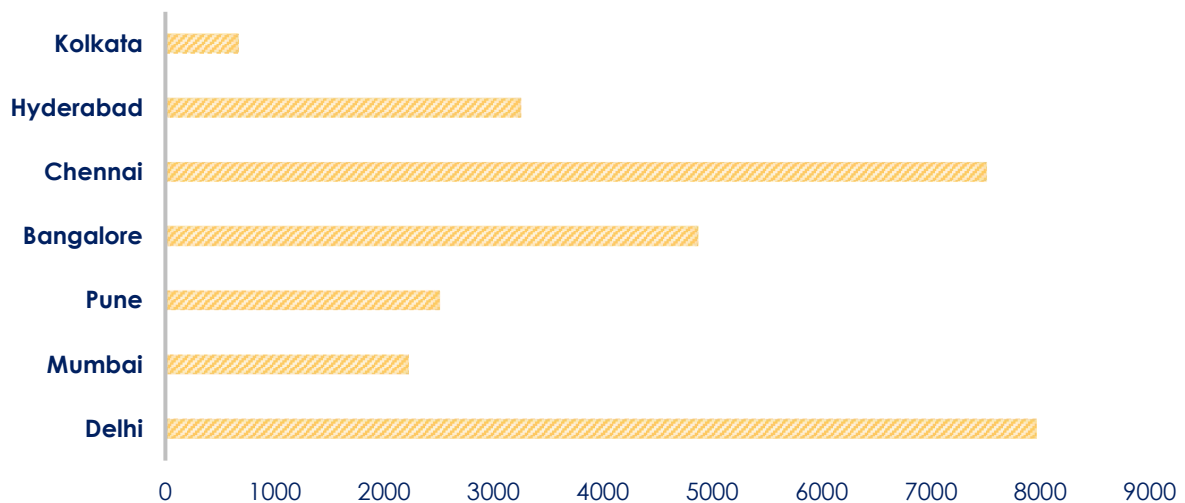
Delhi emerged as a hot spot for filings in 2024 with 7,968 patent applications being filed by Applicants residing in Delhi. Chennai followed closely with 7,511 patent applications, and Bangalore contributed 4,873 patent applications.

The table below provides city-wise patent data based on applicant's city for the calendar year 2024.

Applicant City	No. of Applications
Delhi	7968
Mumbai	2227
Pune	2512
Bangalore	4873
Chennai	7511
Hyderabad	3253
Kolkata	673

The image below is a graphical representation of the statistics for City-wise patent publication data for 2024.

City-wise contribution to patent filings in 2024



IPO location / zone and technology wise examination data (2024)

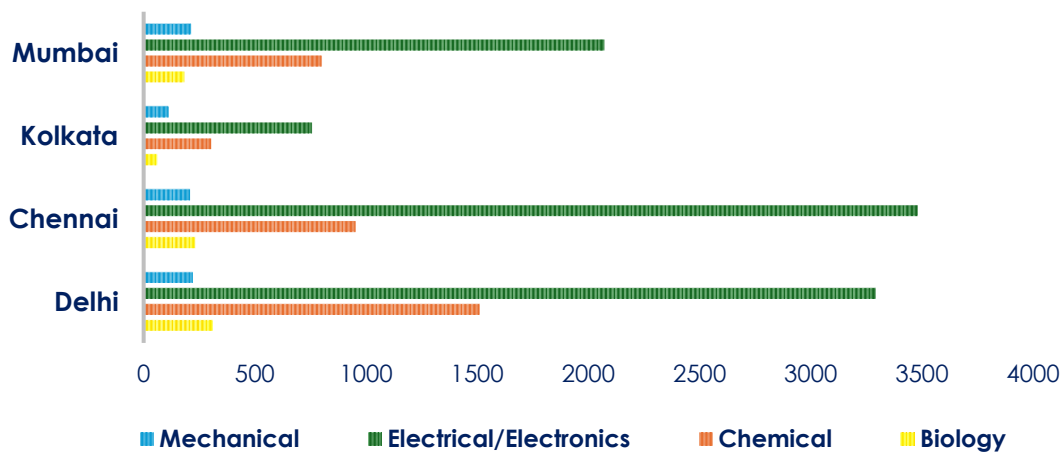
Based on the location of the IP office, the most number of first examination reports (FERs) were issued by the Delhi branch followed by Chennai in the second position. Together, the offices issued 9,982 FERs out of the total 14,705 FERs issued. Based on the technology, the most number of FERs were issued for Electrical/ Electronics inventions.

The table below provides details of the examination report (FERs) issued by each of the patent offices and the number of FERs issued for each field of technology / invention.

Patent Office	Technology field				Total
	Biology	Chemical	Electrical/ Electronics	Mechanical	
Delhi	309	1511	3291	221	5,111
Chennai	230	953	3479	209	4,871
Kolkata	61	303	757	112	1,233
Mumbai	183	800	2072	214	3,269
Total	783	6,294	9,599	756	

The image below is a graphical representation of the data for FER distribution by patent office and field of technology.

Office-wise and Technology-wise FER distribution for 2024



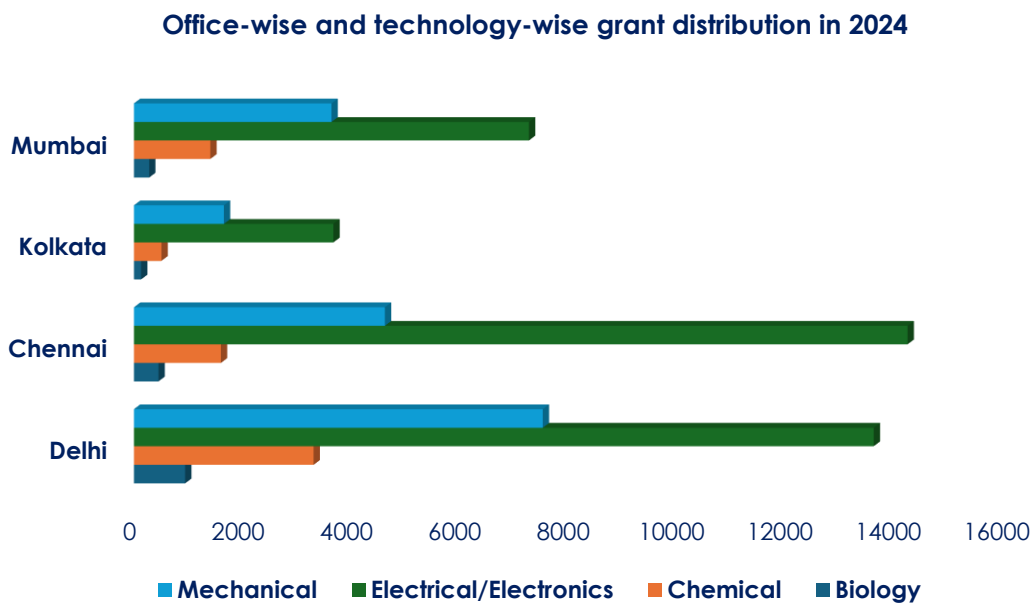
IPO location / zone and technology wise grant data (2024)

Based on the location of the IP office, Delhi IPO granted the most number of patents in 2024, followed by Chennai and Mumbai. The highest number of grants were for inventions in the Electrical/ Electronics technologies (38,852) followed by inventions in the Mechanical field (17,452).

The table below provides details of patents granted by each of the patent offices and the number of patents granted for each field of technology / invention.

Patent Office	Technology field				Total
	Biology	Chemical	Electrical/ Electronics	Mechanical	
Delhi	944	3310	13638	7531	25,423
Chennai	453	1603	14262	4623	20,941
Kolkata	131	507	3674	1658	5,970
Mumbai	281	1408	7278	3640	12,607
Total	1,809	6,828	38,852	17,452	

The image below is a graphical representation of the data for total patents granted by patent office in 2024 based on the location of the granting office and the field of technology in which the applications were granted.



2020 to 2024 : What changed in five (5) years?

- **Increased Patent Publications:** Increased significantly from **51,205** in 2020 to **1,06,231** in 2024. Total applications published have shown a consistent increase year-on-year, with the largest jump between 2023 and 2024.
- **Decreased Patent Examination:** There has been a significant drop in the number of applications examined since 2020, with the lowest number recorded in 2024. Total applications examined in 2024 decreased sharply from **70,906** in 2020 to **14,705** in 2024, reflecting a drastic reduction in examination activity.
- **Steady Growth in Patent Grants:** There has been notable increase in the number of patents granted over the last five years, with a sharp rise starting in 2022. Grants increased markedly from **26,356** in 2020 to **64,941** in 2024, indicating an improvement in granting
- **Increase in Refusals:** The number of applications refused has grown steadily, indicating stricter scrutiny. Only **4,874** applications were refused in 2020 while **10,201** applications were refused in 2024, which is the highest number of refusals across the years.

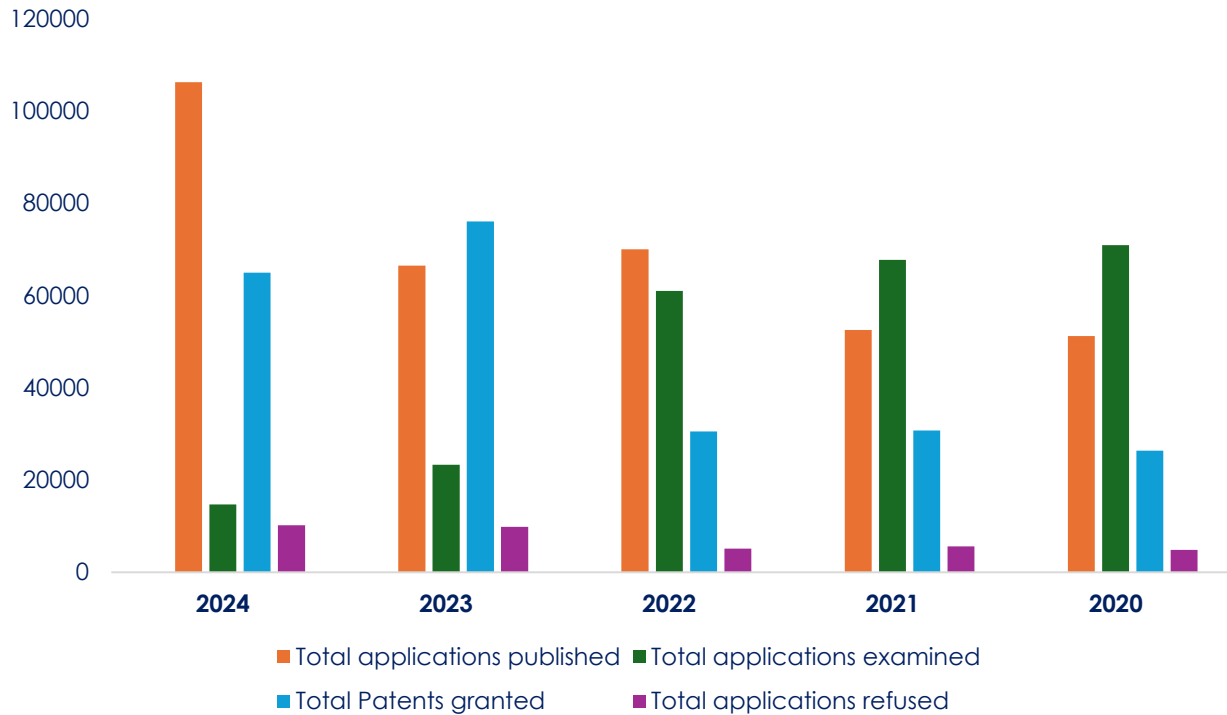
Patent Statistics (2020 – 2024)

The table below provides specific statistics for each year from 2020 to 2024.

Particulars	2024	2023	2022	2021	2020
Total applications published	1,06,231	66,493	69,980	52,546	51,205
Total applications examined	14,705	23,295	61,002	67,698	70,906
Total Patents granted	64,941	76,053	30,488	30,715	26,356
Total applications refused	10,201	9,872	5,151	5,608	4,874

The image below is a graphical representation of the data for a 5 year period since 2020 and shows the trends in patent publications, examination, grant and refusal.

Patent Statistics (2020-2024)



City-wise patent publication statistics (2020- 2024)

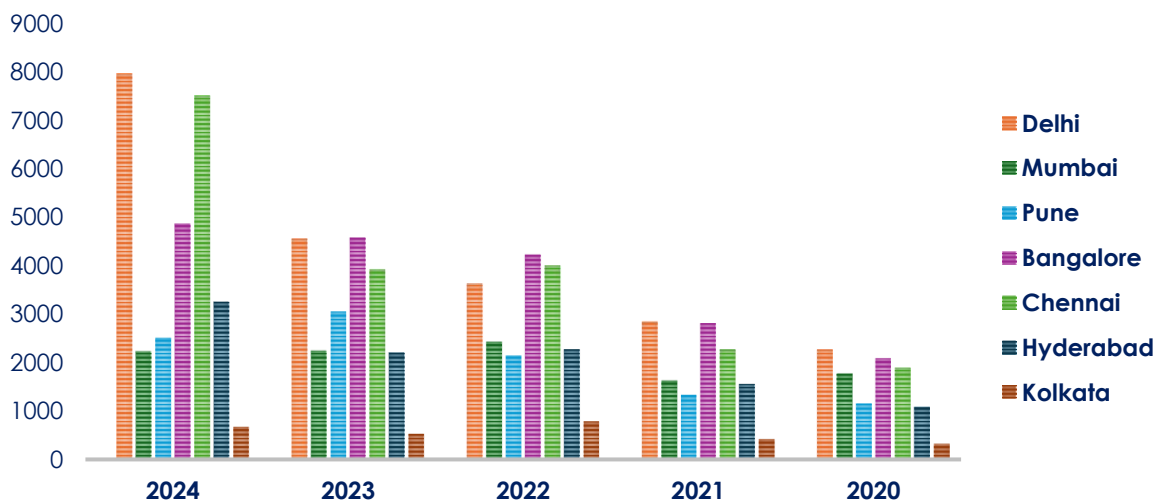
Delhi appears to have reclaimed its spot as the top patent filer in 2024 after a brief two-year hiatus. Bangalore which was the top filer in 2023 and 2022 ended up at the third position in 2024 with Chennai and Delhi taking the second and first positions respectively.

The table below provides city-wise patent data based on applicant's city for each of the calendar years since 2020.

Applicant City	2024	2023	2022	2021	2020
Delhi	7,968	4,561	3,643	2,853	2,275
Mumbai	2,227	2,239	2,425	1,622	1,769
Pune	2,512	3,054	2,147	1,331	1,159
Bangalore	4,873	4,582	4,226	2,814	2,088
Chennai	7,511	3,926	4,006	2,275	1,895
Hyderabad	3,253	2,206	2,271	1,557	1,091
Kolkata	673	529	785	421	322

The image below is a graphical representation of the data for a 5 year period since 2020 and shows the trends in city-wise contribution to patent filings.

City-wise contribution to patent filings (2020-2024)



Examination statistics (2020-2024)s

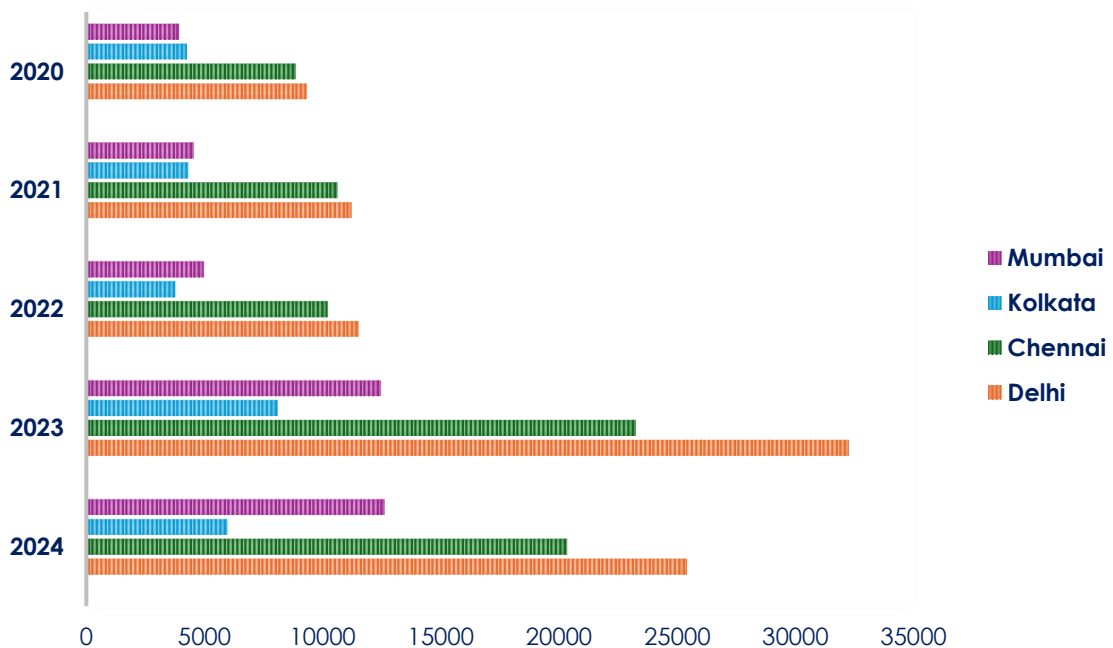
a) Office-wise examinations

The table below provides office-wise patent examination data for each of the calendar years since 2020.

Patent Office	2024	2023	2022	2021	2020
Delhi	25,423	32,275	11,539	11,228	9,327
Chennai	20,341	23,237	10,213	10,630	8,850
Kolkata	5,970	8,105	3,773	4,321	4,258
Mumbai	12607	12,436	4,963	4,536	3,921
Total	64,341	76,053	30,488	30,715	26,356

The image below is a graphical representation of the data for the 5 year period since 2020 and shows the trends in office-wise FER issuance.

Office-wise examination reports (2020-2024)



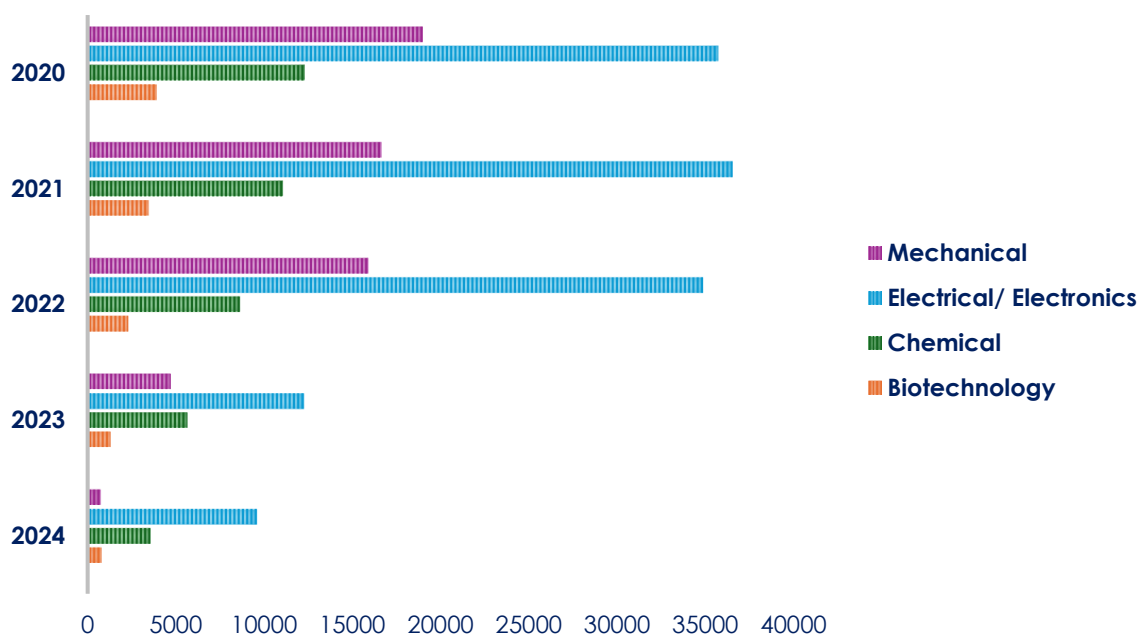
b) Technology-wise examination statistics (2020-2024)

The table below provides technology-wise patent examination data for each of the calendar years since 2020.

Field of invention	2024	2023	2022	2021	2020
Biotechnology	783	1,294	2,299	3,436	3,898
Chemical	3,567	5,646	8,628	11,050	12,289
Electrical/ Electronics	9,599	12,273	34,883	36,544	35,723
Mechanical	756	4,712	15,912	16,668	18,996
Total	14,705	23,925	61,002	67,698	70,906

The image below is a graphical representation of the data for the 5 year period since 2020 and shows the trends in technology-wise FER issuance.

Technology-wise examination statistics (2020-2024)



Grant statistics (2020-2024)

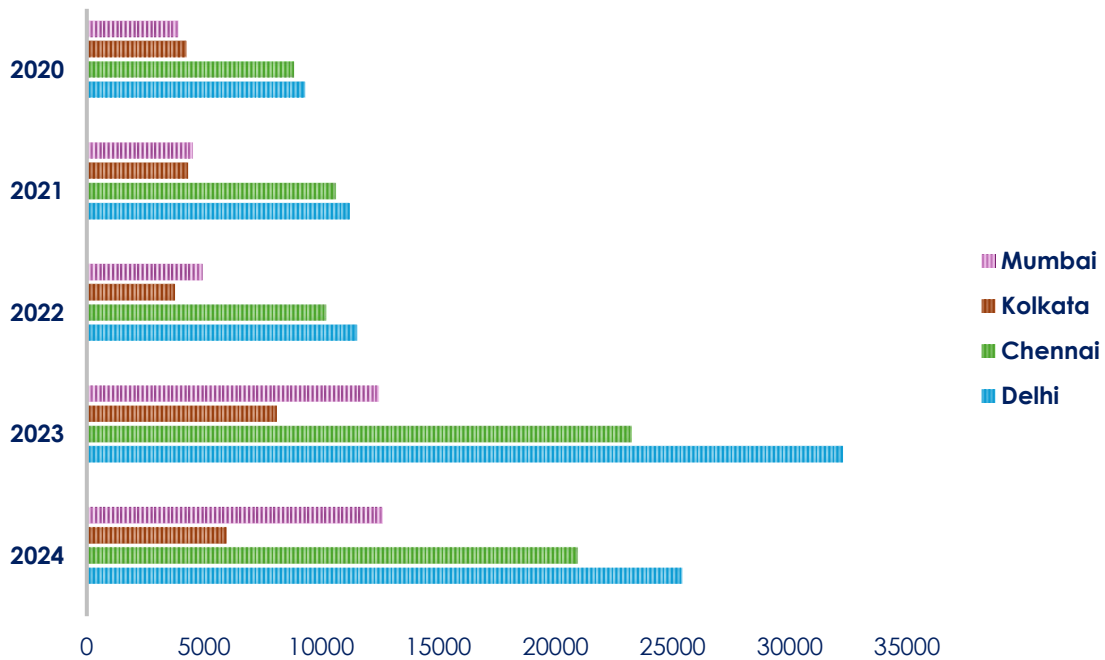
a) Office-wise patent grants

The table below provides office-wise grant data for each of the calendar years since 2020.

Patent Office	2024	2023	2022	2021	2020
Delhi	25,423	32,275	11,539	11,228	9,327
Chennai	20,941	23,237	10,213	10,630	8,850
Kolkata	5,970	8,105	3,773	4,321	4,258
Mumbai	12,607	12,436	4,936	4,536	3,921
Total	64,941	76,053	30,488	30,715	26,356

The image below is a graphical representation of the data for the 5 year period since 2020 and shows the trends in office-wise grant.

Office-wise patent grants (2020 - 2024)



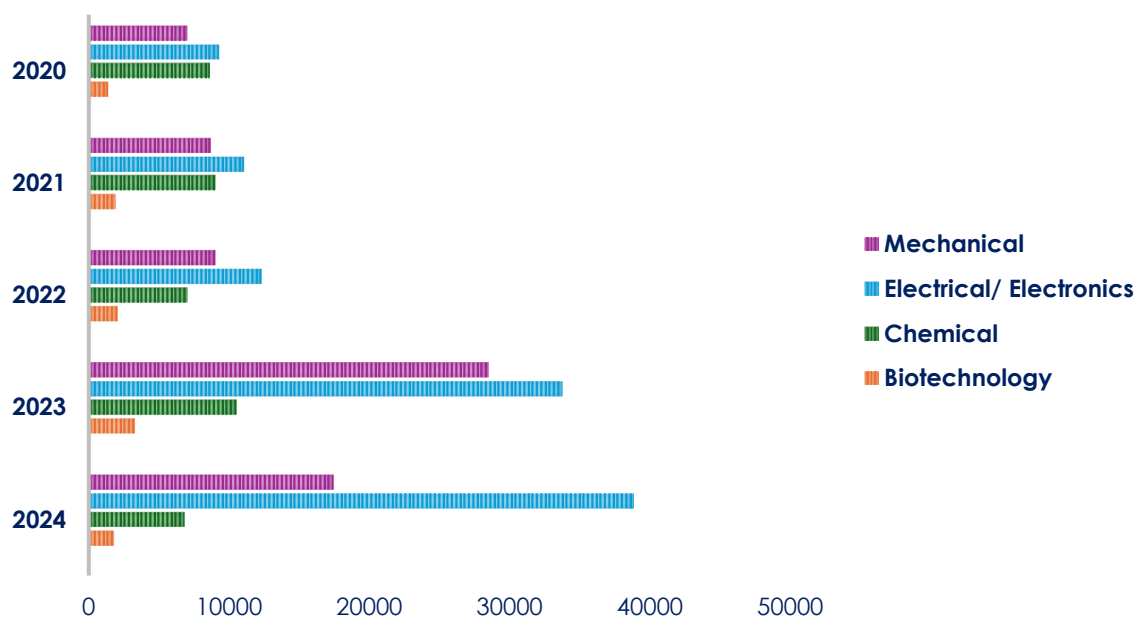
b) Technology-wise grant statistics (2020-2024)

The table below provides technology-wise grant data for each of the calendar years since 2020.

Field of invention	2024	2023	2022	2021	2020
Biotechnology	1809	3297	2073	1920	1388
Chemical	6828	10510	7029	9002	8625
Electrical/Electronics	38852	33758	12343	11082	9299
Mechanical	17452	28488	9043	8711	7044
Total	64941	76053	30488	30715	26356

The image below is a graphical representation of the data for the 5 year period since 2020 and shows the trends in technology-wise grant.

Technology-wise grants (2020-2024)



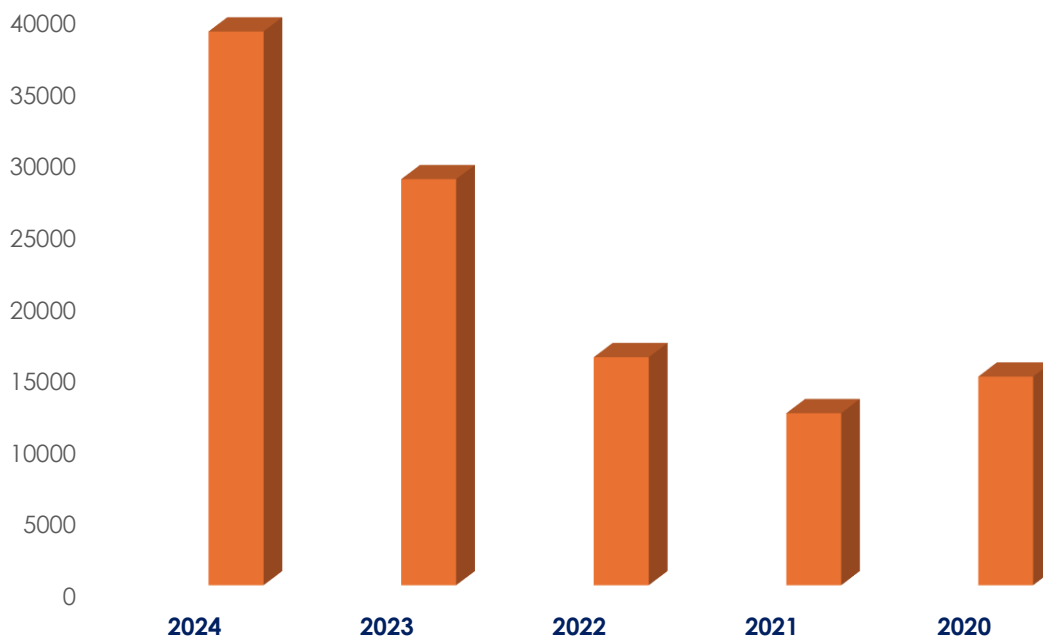
IV. Part II – Design Statistics

Industrial design registrations increased in 2024 by 26%. A total of 38,633 designs were registered in 2024. Compared to the registrations in 2020, this reflects a remarkable increase by over 165%.

Particulars	2024	2023	2022	2021	2020
Number of design registrations	38,633	28,324	15,904	11,997	14,550

The image below is a graphical representation of the data for the 5 year period since 2020 and shows the trends in Design registrations.

Design Registrations Statistics since 2020



V. Conclusion

The Indian patent system has demonstrated significant growth and transformation in recent years. The sharp increase in the number of published applications, especially in 2024, highlights a growing interest in patent filing, indicating India's potential as a hub for innovation and intellectual property. However, the decline in the number of examined applications poses a challenge, signaling a need to address examination backlogs to maintain efficiency and reduce pendency periods. Despite this, the system has managed to grant a substantial number of patents, showcasing its commitment to supporting inventors and fostering innovation. The gradual increase in refused applications suggests stricter scrutiny and a focus on quality over quantity in patent grants.

Moving forward, prioritizing resources for examination, streamlining processes, and leveraging technology could enhance the system's efficiency and ensure its alignment with global best practices. Such measures will further bolster India's reputation as a competitive and innovation-driven economy.

VI. Feedback/Inputs

We welcome any feedback, comments, or inputs regarding this report. Please reach out to us at contact@bananaip.com, with the subject line "Patent Statistics Report 2024".

VII. About BananaIP

BananaIP is a reputed intellectual property (IP) firm with over 20 years of expertise in providing services in patents, designs, trademarks, copyrights, , and other IP areas, with high specialization in law, technology and business. The firm's team is constituted by experienced attorneys proficient in a range of fields, including AI, Automotive, Electric Mobility, Biotech, Electronics/Telecom, Pharma, and Mechanical technologies. For more details, visit our website: www.bananaip.com.

BananaIP operates Intellopedia, a prominent IP publication/blog, widely recognized and cited by IP attorneys and professionals across the world. For the past decade, the firm has been compiling and publishing valuable patent and design statistics from

authoritative sources like IP Office databases, contributing to the knowledge base in the field of patents and designs in India.

VIII. Disclaimer

This report is limited by the following:

- a. Accuracy and availability of data on the IP Office's online database and publications;
- b. The date and time at which the search for the data was performed to collect data;
- c. The calendar year-based collection of data, which contrasts with the data published by the IP Office, which is tabulated based on the financial year;
- d. Understanding and analysis of the data by BananaIP' s attorneys and experts, which may vary from other attorneys and experts;
- e. The limitations inherent in collection of design data and statistics; and
- f. Accessibility of graphs presented in the report for persons with disabilities.

Any conclusions in this report are those of the contributors, and do not represent the views of all IP attorneys at BananaIP Counsels. The views in this report do not represent the views or conclusions of BananaIP' s clients or the firm.