

Remote sensing

Patent Landscape Report

This sample report showcases a landscape of advancements in Remote sensing technology by analyzing 18309 patent from 2010 to 2025.

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Sample

Table of content

Key Findings

1. Introduction

2. Patent Landscape Overview

- 2.1. Patent Family Analysis
- 2.2. Patent-Market Coverage
- 2.3. Geographical jurisdiction
- 2.4. Global Patent Activity Based On Technology

3. Market and Competitor Analysis

- 3.1. Market at a Glance
- 3.2. Market Share of Main Producers
- 3.3. Some of The Main Processes
- 3.4. Top Applicants
- 3.5. Top Patent Applicants Based on Technology
- 3.6. Market Coverage of Top Applicants
- 3.7. Top Owners
- 3.8. Highly-Cited Applicants
- 3.9. Collaborations
 - 3.9.1. Top Ten Applicants' collaborations
 - 3.9.2. The Strongest Cooperative Networks
- 3.10. Top applicant activity
- 3.11. Pioneer companies in the last 5 years
- 3.12. Top applicant clustering
- 3.13. Pending patents

4. Technology Analysis

- 4.1. Top Technologies
 - 4.1.1. Trends
 - 4.1.2. Top Technologies by Class
 - 4.1.3. Top Technologies by Sub-Class
 - 4.1.4. Top Technologies by Main-Group
 - 4.1.5. Top Technologies by Sub-Group
 - 4.1.6. Top Technologies and Main Trends
- 4.2. Five Recently Dominant Technologies
- 4.3. Key Patents
- 4.4. Main Patent Themes
- 4.5. Technology Clustering
- 4.6. Top Inventors

5. Key Players' Patent Profile

5.1. Key Player 1

- 5.1.1. Overview
- 5.1.2. Patent Family Analysis
- 5.1.3. Top Processes
- 5.1.4. Top Technologies
- 5.1.5. Collaborations
- 5.1.6. Merge and Acquisitions
- 5.1.7. Key Patents
- 5.1.8. Topic Modeling
- 5.1.9. Patents Clustering

5.2. Key Player 2

- 5.1.1. Overview
- 5.1.2. Patent Family Analysis
- 5.1.3. Top Processes
- 5.1.4. Top Technologies
- 5.1.5. Collaborations
- 5.1.6. Merge and Acquisitions
- 5.1.7. Key Patents
- 5.1.8. Topic Modeling
- 5.1.9. Patents Clustering

5.3. Key Player 3

- 5.3.1. Overview
- 5.3.2. Patent Family Analysis
- 5.3.3. Top Processes
- 5.3.4. Top Technologies
- 5.3.5. Collaborations
- 5.3.6. Merge and Acquisitions
- 5.3.7. Key Patents
- 5.3.8. Topic Modeling
- 5.3.9. Patents Clustering

5.4. Key Player 4

- 5.4.1. Overview
- 5.4.2. Patent Family Analysis
- 5.4.3. Top Processes
- 5.4.4. Top Technologies
- 5.4.5. Collaborations
- 5.4.6. Merge and Acquisitions
- 5.4.7. Key Patents
- 5.4.8. Topic Modeling
- 5.4.9. Patents Clustering

5.5. Key Player 5

- 5.5.1. Overview
- 5.5.2. Patent Family Analysis
- 5.5.3. Top Processes
- 5.5.4. Top Technologies
- 5.5.5. Collaborations
- 5.5.6. Merge and Acquisitions
- 5.5.7. Key Patents
- 5.5.8. Topic Modeling
- 5.5.9. Patents Clustering



Executive Summary

This sample report showcases a landscape of advancements in Remote sensing technology by analyzing 18309 patent from 2010 to 2025. The analysis reveals:

Explosive Growth

Remote sensing patenting increased ~7× over the last 13 years, with a notable peak in 2019 and renewed activity in 2023. A large pipeline (8,522 active; 6,466 pending) signals sustained momentum.

Technology Focus

The portfolio concentrates on image data processing/generation (G06T), radar & radio direction-finding (G01S), and image/video recognition (G06V), increasingly powered by AI/ML. Applications span environmental monitoring, disaster management, and resource exploration.

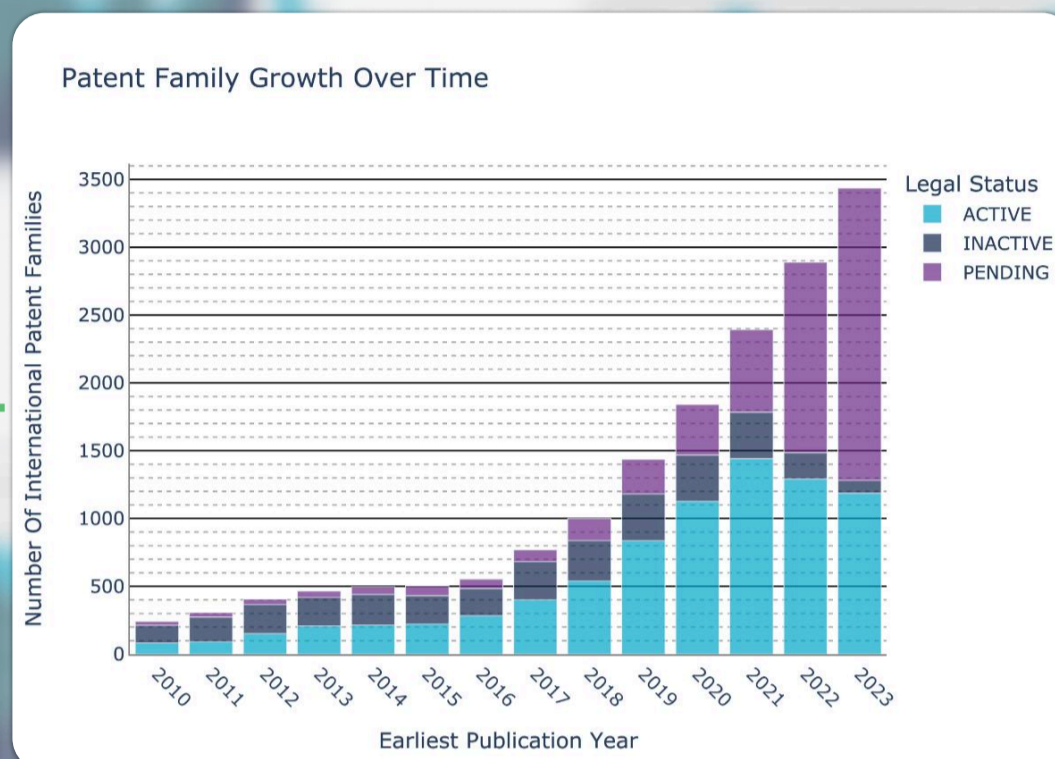
Geographic Dominance

China leads with 2,864 patents, followed by the United States, China's share exceeded half of all international patent families. The EPO contributes steadily at a smaller scale, while U.S. filings show broader multi-jurisdictional reach.

Market Potential

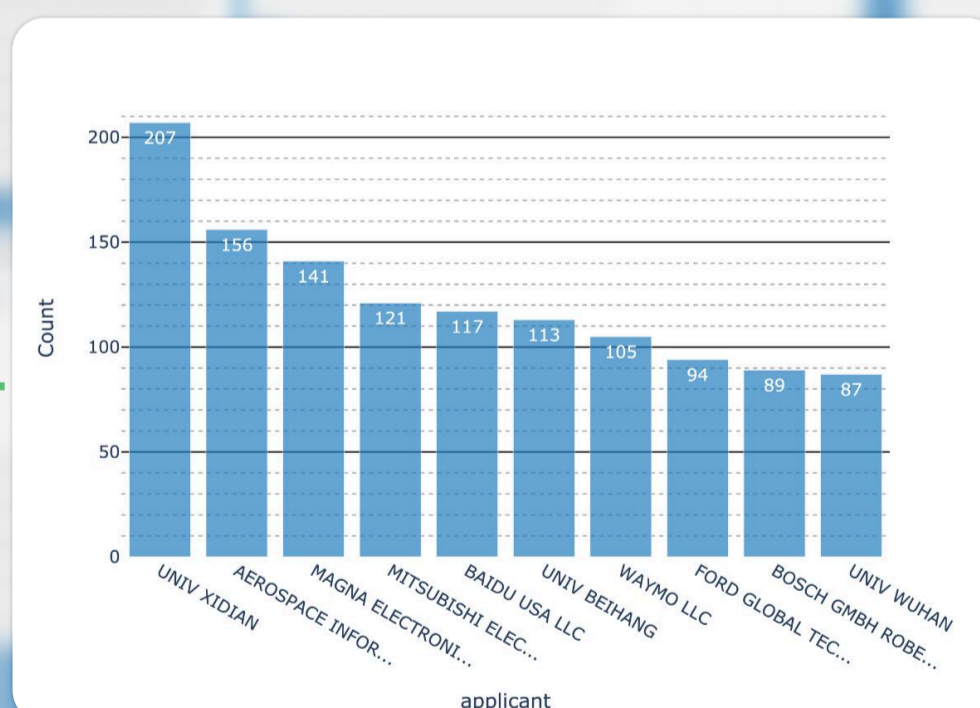
The global remote-sensing data analysis market was ~\$3.8B (2023) at ~15% CAGR (2018–2023) and ~\$4.5B in 2024, with similar growth expected ahead. North America holds the largest share, while APAC is the fastest-growing region.

Patent Landscape Overview



A surge in patent families since 2018 reflects a strong innovation wave. High pending volumes in recent years suggest ongoing R&D investment, while growing active status indicates robust commercialization potential.

Top Patent Applicants



Univ Xidian leads in patent activity, reflecting strong academic innovation. Close industry-academia competition from Baidu, Waymo, and Magna highlights the strategic importance of this domain in emerging tech development.

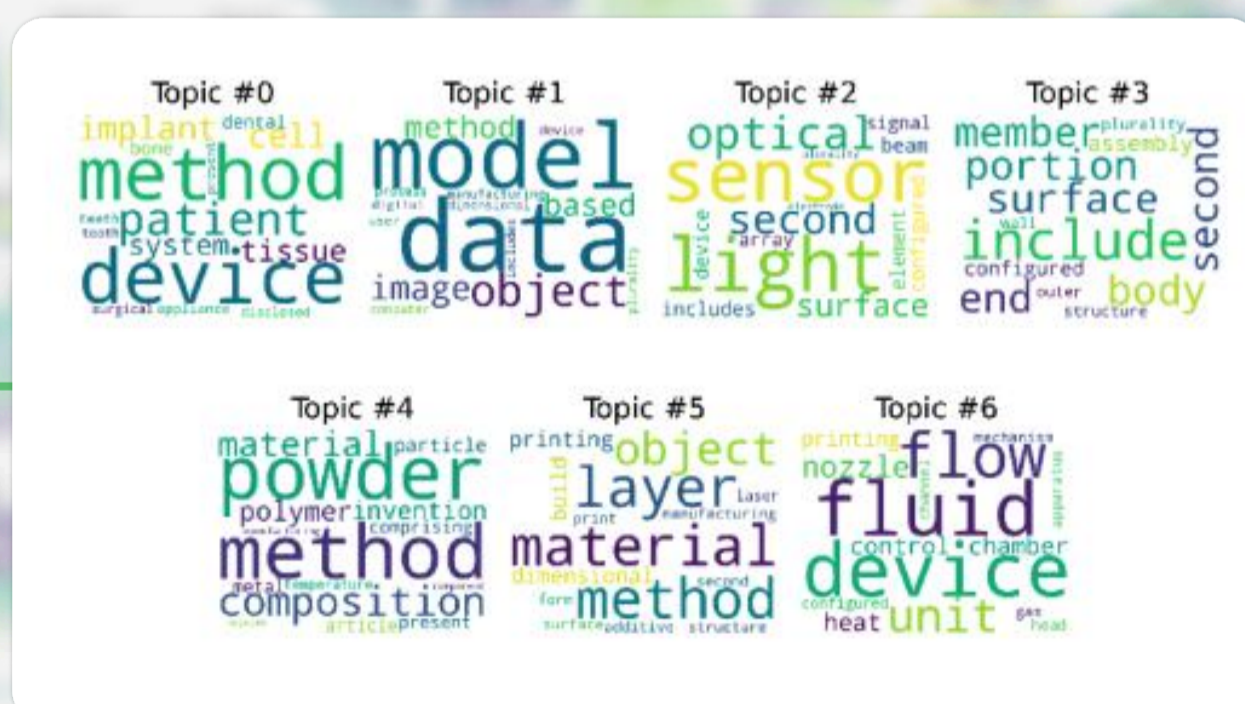
Technology Trends

Top Technologies by Sub-Class



China dominates key IPC subclasses like G06T and G01S, highlighting its aggressive push in imaging and sensing technologies. U.S. retains strength in computing fields, but CN's lead is significant.

Key Patent Themes



Strategic Recommendations:



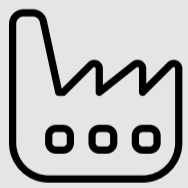
Policy Makers

1. Focus on fostering innovation in high-growth sectors.
2. Encourage investments in sustainable technologies.
3. Support industry-specific research and development initiatives.



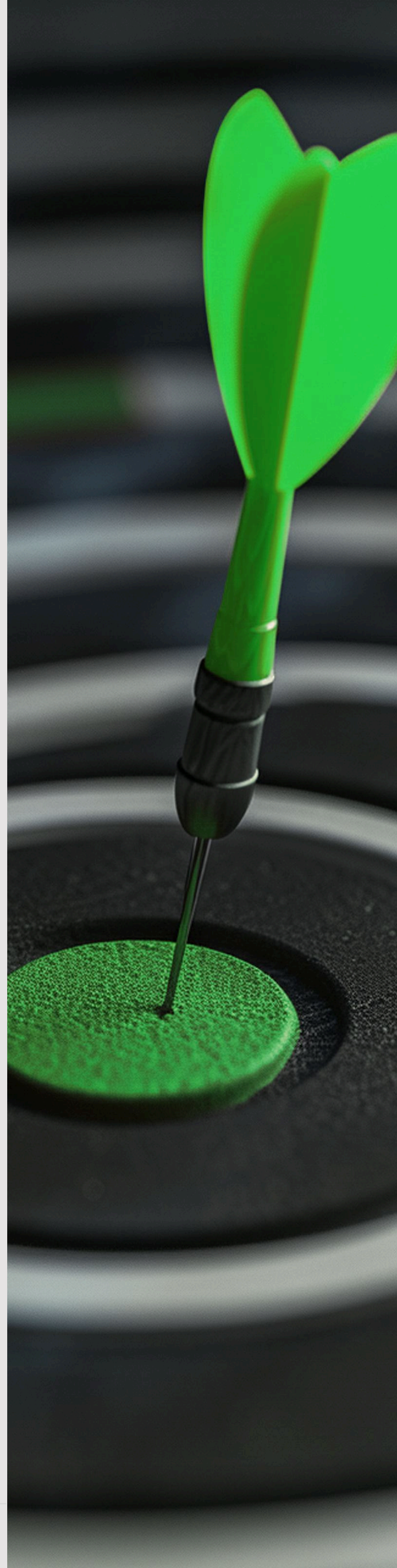
Investors

1. Prioritize companies with strong intellectual property in emerging technologies.
2. Monitor the latest advancements in new industrial applications and sectors.



Manufacturers

1. Embrace new technology adoption to improve operational efficiency.
2. Invest in scalable solutions for long-term growth.
3. Focus on sustainability and circular economy practices.

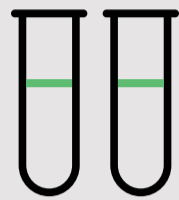


Our Industrial Expertise



Energy

Exploring innovations in the oil, gas, electricity, and renewable energy sectors.



Chemical

Advancing chemical processes, products, and catalysts for industrial applications.



Health and Pharma

Analyzing new pharmaceutical products, health services, and medical technologies.



ICT & Software

Examining trends in information and communication technology, software, and hardware.



Mining Industry

Investigating improvements in iron, steel, aluminum, copper, and other related industries.



New Materials

Researching advancements in advanced materials, nanotechnology, and their applications.

Our Global Allies



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