

Global Battery Patent Intelligence 2026 – Strategic Analysis of Patent Landscape, Innovation Trends, Intellectual Property, Technology Domains, and Future Outlook

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Abstracts

The Global Battery Patent Intelligence report provides an in-depth analysis of the intellectual property landscape within the global battery industry by evaluating patent filing activities, technology innovation trends, patent ownership, research activities, and emerging innovation domains. The report enables organizations to monitor technology leadership, assess competitive intellectual property positions, identify licensing opportunities, and support strategic decisions related to research, product development, and technology commercialization.

The study examines global patent portfolios across lithium-ion batteries, solid-state batteries, sodium-ion batteries, battery materials, battery management systems (BMS), battery recycling technologies, fast-charging technologies, energy storage systems, next-generation battery chemistries, and intelligent battery technologies. It also analyzes patent filing trends, leading patent holders, technology domains, citation analysis, geographic distribution, and emerging innovators to provide actionable intelligence on the evolving battery innovation ecosystem.

The report further highlights patent commercialization opportunities, licensing activities, research collaborations, and future technology directions to help organizations strengthen innovation strategies and intellectual property portfolios.

Key Coverage

Battery patent landscape

Patent filing trends

Technology domain analysis

Leading patent holders

Patent portfolio benchmarking

Geographic patent distribution

Citation analysis

Licensing landscape

White-space opportunities

Future patent outlook

Target Audience

Chief Intellectual Property Officers (CIPOs)

Intellectual Property (IP) Teams

Patent Attorneys & Patent Analysts

Research & Development (R&D) Teams

Technology Strategy Teams

Innovation Management Teams

Battery Technology Developers

Battery Manufacturers

Battery Material & Component Companies

Automotive OEMs

Energy Storage Companies

Technology Scouting Teams

Licensing & Technology Transfer Teams

Universities & Research Institutions

Government & Research Organizations

Investment & Venture Capital Firms

What This Report Offers

Comprehensive battery patent landscape assessment

Patent filing and publication trend analysis

Leading patent holder and assignee benchmarking

Patent portfolio comparison

Technology domain and innovation hotspot analysis

Citation and inventor analysis

Geographic patent intelligence

Patent expiry analysis

Licensing landscape assessment

Freedom-to-operate overview

White-space and opportunity identification

Emerging innovator tracking

Future battery patent outlook

Key Companies Covered (Illustrative)

Contemporary Amperex Technology Co., Ltd. (CATL)

LG Energy Solution Ltd.

Panasonic Energy Co., Ltd.

Toyota Motor Corporation

Samsung SDI Co., Ltd.

BYD Company Limited

SK On Co., Ltd.

Sony Group Corporation

Honda Motor Co., Ltd.

Nissan Motor Co., Ltd.

Hyundai Motor Company

Robert Bosch GmbH

Hitachi, Ltd.

Toshiba Corporation

GS Yuasa Corporation

And other leading patent holders and industry participants.

Contents

1 EXECUTIVE SUMMARY

2 RESEARCH METHODOLOGY

- 2.1 Research Methodology
- 2.2 Research Objectives
- 2.3 Data Sources
- 2.4 Scope of the Study
- 2.5 Assumptions & Limitations

3 PATENT LANDSCAPE OVERVIEW

- 3.1 Battery Industry Overview
- 3.2 Battery Technology Landscape
- 3.3 Patent Ecosystem
- 3.4 Patent Classification
- 3.5 Innovation Drivers
- 3.6 Regulatory Framework
- 3.7 IP Trends

4 GLOBAL PATENT LANDSCAPE

- 4.1 Patent Filing Trends
- 4.2 Patent Publications
- 4.3 Granted Patents
- 4.4 Patent Families
- 4.5 Geographic Distribution
- 4.6 Technology Domains

5 PATENT PORTFOLIO BENCHMARKING

- 5.1 Leading Patent Holders
- 5.2 Company Patent Comparison
- 5.3 University Patent Activity
- 5.4 Research Institute Patent Activity
- 5.5 Startup Patent Activity
- 5.6 Patent Quality Assessment

6 TECHNOLOGY DOMAIN ANALYSIS

- 6.1 Lithium-ion Batteries
- 6.2 Solid-State Batteries
- 6.3 Sodium-ion Batteries
- 6.4 Battery Materials
- 6.5 Battery Management Systems
- 6.6 Battery Recycling
- 6.7 Fast-Charging Technologies
- 6.8 Next-Generation Battery Technologies

7 PATENT INTELLIGENCE

- 7.1 Citation Analysis
- 7.2 Inventor Analysis
- 7.3 Assignee Analysis
- 7.4 Patent Expiry Analysis
- 7.5 Licensing Landscape
- 7.6 Freedom-to-Operate Overview

8 STRATEGIC DEVELOPMENTS

- 8.1 Licensing Agreements
- 8.2 Patent Acquisitions
- 8.3 Cross-Licensing Activities
- 8.4 Technology Partnerships
- 8.5 Government Programs
- 8.6 Future IP Strategies

9 REGIONAL PATENT ANALYSIS

- 9.1 North America
- 9.2 Europe
- 9.3 China
- 9.4 Japan
- 9.5 South Korea
- 9.6 India
- 9.7 Southeast Asia

9.8 Other Regions

10 EMERGING INNOVATORS

10.1 High-Growth Companies

10.2 University Spin-offs

10.3 Startups by Region

10.4 Venture Capital Activity

10.5 Unicorn Tracking

10.6 Disruptive Technologies

11 FUTURE TECHNOLOGY OUTLOOK

11.1 White Space Analysis

11.2 Threat Analysis

11.3 Opportunity Mapping

11.4 Future Leaders

11.5 Strategic Recommendations

12 COMPANY PROFILES

12.1 Contemporary Amperex Technology Co., Ltd. (CATL)

12.2 LG Energy Solution Ltd.

12.3 Panasonic Energy Co., Ltd.

12.4 Toyota Motor Corporation

12.5 Samsung SDI Co., Ltd.

12.6 BYD Company Limited

12.7 SK On Co., Ltd.

12.8 Sony Group Corporation

12.9 Honda Motor Co., Ltd.

12.10 Nissan Motor Co., Ltd.

12.11 Hyundai Motor Company

12.12 Robert Bosch GmbH

12.13 Hitachi, Ltd.

12.14 Toshiba Corporation

12.15 GS Yuasa Corporation

12.16 Gotion High-Tech Co., Ltd.

12.17 EVE Energy Co., Ltd.

12.18 QuantumScape Corporation

12.19 Solid Power, Inc.

12.20 Envision AESC

13 LIST OF TABLES

Table 1 Battery Patent Landscape Overview

Table 2 Patent Filing and Publication Trends

Table 3 Leading Patent Holders

Table 4 Patent Portfolio Comparison

Table 5 Patent Distribution by Technology Domain

Table 6 Geographic Patent Distribution

Table 7 Patent Citation and Quality Comparison

Table 8 Emerging Battery Patent Innovators

14 LIST OF FIGURES

Fig 1 Battery Patent Ecosystem

Fig 2 Global Patent Filing Landscape

Fig 3 Patent Filing Trend

Fig 4 Patent Technology Domain Distribution

Fig 5 Leading Patent Holders

Fig 6 Geographic Patent Distribution

Fig 7 Patent Citation and Innovation Network

Fig 8 Emerging Battery Technology Patent Landscape

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