

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

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Abstracts

The Global Semiconductor Patent Intelligence report provides an in-depth analysis of the intellectual property landscape within the global semiconductor 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 semiconductor process technologies, semiconductor materials, advanced packaging, chiplets, integrated circuits, memory technologies, power semiconductors, compound semiconductors, AI and high-performance computing chips, semiconductor manufacturing equipment, and next-generation semiconductor 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 semiconductor innovation ecosystem.

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

Key Coverage

Semiconductor 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

Semiconductor Technology Developers

Semiconductor Manufacturers & Foundries

Fabless Semiconductor Companies

Semiconductor Equipment & Materials Companies

Technology Scouting Teams

Licensing & Technology Transfer Teams

Universities & Research Institutions

Government & Research Organizations

Investment & Venture Capital Firms

What This Report Offers

Comprehensive semiconductor 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 semiconductor patent outlook

Key Companies Covered (Illustrative)

Intel Corporation

Samsung Electronics Co., Ltd.

Taiwan Semiconductor Manufacturing Company Limited (TSMC)

SK hynix Inc.

Micron Technology, Inc.

NVIDIA Corporation

Advanced Micro Devices, Inc. (AMD)

Qualcomm Incorporated

Broadcom Inc.

Texas Instruments Incorporated

Infineon Technologies AG

STMicroelectronics N.V.

Applied Materials, Inc.

Lam Research Corporation

ASML Holding N.V.

And other leading patent holders and industry participants.

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12.9 Broadcom Inc.

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