

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

<https://marketpublishers.com/r/DC061D0A0301EN.html>

Date: September 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: DC061D0A0301EN

Abstracts

The Global Digital Twin Patent Intelligence report provides an in-depth analysis of the intellectual property landscape within the global digital twin 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 manufacturing and process optimization, digital twin control systems and feedback loops, AI-integrated and autonomous twins, additive manufacturing twin applications, 6G network and telecommunications digital twins, healthcare and life sciences twin architectures, and next-generation digital twin platforms. 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 digital twin 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

Digital twin 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 & Patent Teams

Research & Development (R&D) Teams

Digital Twin Technology Developers

Innovation Management Teams

Technology Scouting Teams

Product Development Teams

Manufacturing Executives

Industrial Automation Companies

Cloud Infrastructure Providers

Universities & Research Institutions

Government & Research Organizations

Technology Transfer Offices

Investment & Venture Capital Firms

Legal & Licensing Professionals

What This Report Offers

Comprehensive digital twin patent landscape assessment

Patent filing and publication trend analysis

Patent portfolio benchmarking

Leading patent holder and assignee analysis

Digital twin technology domain analysis

Geographic patent distribution assessment

Patent citation and quality analysis

Inventor and innovation activity assessment

Licensing and patent commercialization insights

Freedom-to-operate intelligence

Emerging innovation and white-space opportunity identification

Future intellectual property and technology outlook

Key Companies Covered (Illustrative)

Siemens AG / Siemens Energy Global GmbH & Co KG

General Electric (GE / GE Vernova)

Strong Force VCN Portfolio 2019 LLC

Samsung Electronics Co., Ltd.

Microsoft Corporation

IBM Corporation

PTC Inc.

Dassault Systèmes

Ansys Inc.

Rockwell Automation

SAP SE

Oracle Corporation

Tyco Fire & Security GmbH

Accenture Global Solutions Limited

And other leading patent holders and industry participants.

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