

Artificial Intelligence: Patents, Business Opportunity, and Brand Strength Analysis

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Abstracts

One of the most talk-about news in 2016 is how Google's AlphaGo beat Lee Sedol, a Go world champion in March. The first known example of AI (Artificial Intelligence) technology defeating a human brain can be tracked back to 1997 when IBM's chess computer Deep Blue won world chess champion Garry Kasparov. In the IoT (Internet of Things) age, AI is a major accelerator to smarten up electronics products, leading to the emergence of smart cars, smart elevators, smart home appliances, smart pets, smart robots, smartphones, and more. This report provides an overview of AI through thorough patent data mining techniques to reflect major vendors' patent deployment and technology readiness; examines the strategic planning and challenges of leading AI companies such as Microsoft, IBM, Google, Canon, Xerox, Sony, Oracle, and SAP. Also included are the insights about market opportunities of AI for newcomers.

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LIST OF COMPANIES

Academia Sinica

Adobe Systems

Amazon

Apple

AT&T

Blackberry

Canon

Chi Mei Communication Systems

Chunghwa Telecom

Delta Electronics

Fujitsu

General Electric

Google

Hitachi

Hon Hai Precision

HP

HTC

IBM

Inotera Memories

Institute of Nuclear Energy Research Atomic Energy Council

Intel

Inventec

ITRI

Mediatek
Microsoft
National Central University
National Cheng Kung University
National Chiao Tung University
National Pingtung University of Science and Technology
National Taiwan University
National Taiwan University of Science and Technology
NEC
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