

# TRENDS IN PATENTING FOR ARTIFICIAL INTELLIGENCE

**31.1K**

Patents relating to A.I. published in 2013-2017

**21%**

Average growth of A.I. patents per annum in 2013-2017

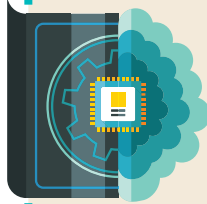
**10K**

A record high of A.I. patents published in 2017

## TOP GLOBAL FILERS IN A.I. INCLUDE

- IBM
- SAMSUNG ELECTRONICS
- MICROSOFT
- AT&T
- AVAYA

China technology giants, like Baidu and Huawei are leading the way in A.I. development, amongst other international players such as Google and Microsoft.



## TOP COUNTRIES/REGIONS OF PROTECTION



12.2K



9.4K



2.8K



1.9K



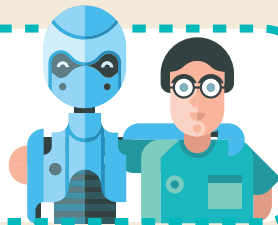
1.5K

## TOP GLOBAL FILING AREAS UNDER A.I.

- Digital computing or data processing
- Pattern recognition (e.g. fingerprints)
- Control of digital information transmission
- User Interface, input/output arrangement (e.g. head-tracking, eye-tracking)
- IT methods for specific business sector



Face robots and animated artificial faces, speech or voice analysis, and computer systems based on biological model are growing the fastest globally in terms of A.I. filing.



## SINGAPORE

**156**

Patents relating to A.I. published in 2013-2017

Beijing DIDI, Microsoft Technology, Mastercard International and Visa are leading in A.I. patent filings in Singapore from 2013-2017.



### TOP FILING AREAS UNDER A.I.

- Digital computing or data processing
- IT methods for specific business sector
- IT methods for general administration and management
- Commerce, e.g. Shopping or e-commerce
- Bioinformatics, medical informatics

*Note:* Data provided is based on the period 2013-2017.

*Disclaimer:* The information contained in this infographic is provided for general information purposes only and is by no means exhaustive.

