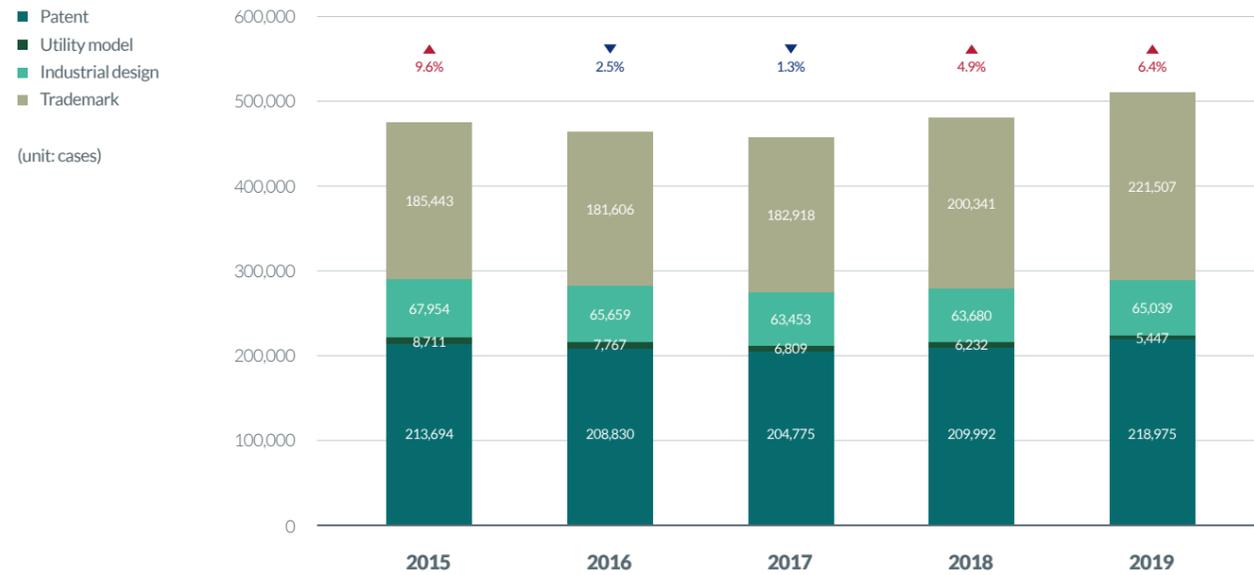


2019 IP Trends

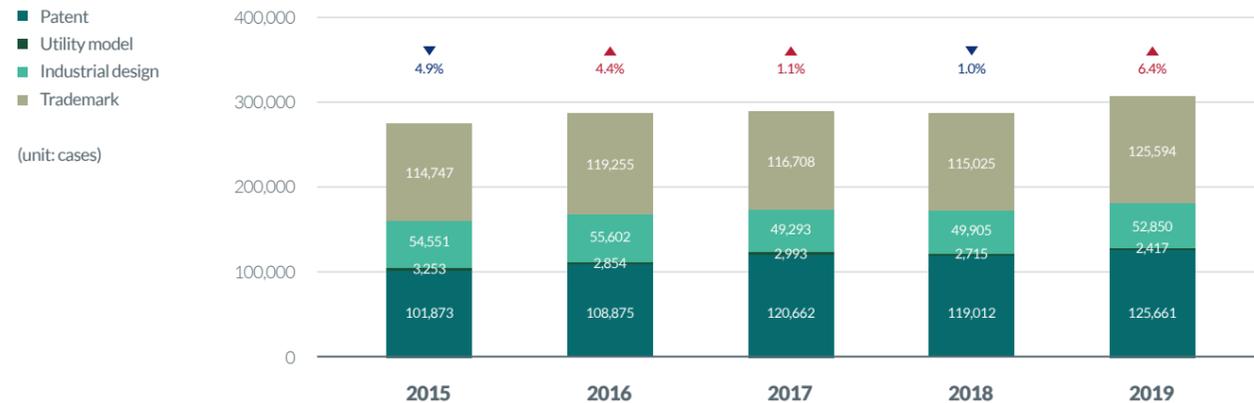
IPR Applications and Registrations by Year

IPR Applications

*Including PCT, Madrid, Hague international applications



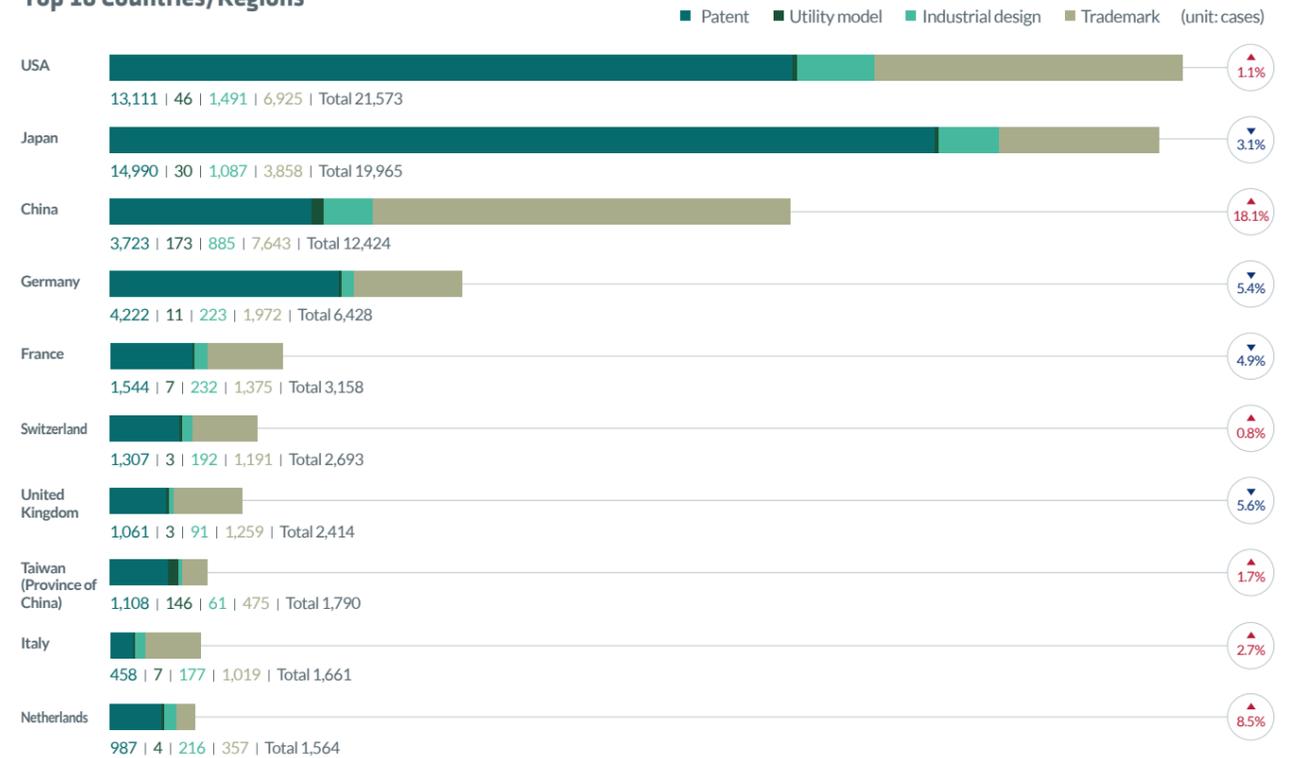
IPR Registrations



Non-Resident IPR Applications

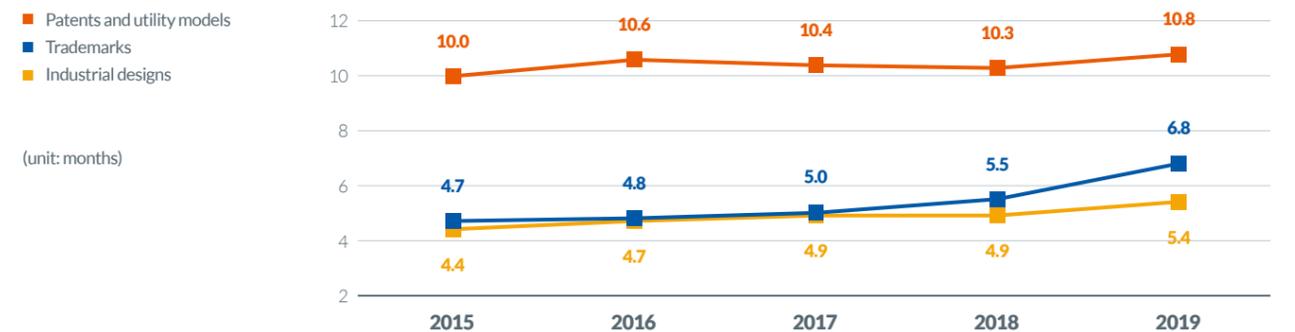
- Non-resident applicants filed a total of 84,243 IPR applications (a 1.9% increase from 2018).
- Non-residents from the USA filed the largest portion of IPR applications at 25.6% and non-residents from Japan filed the most patent applications by at 31.6% out of 129 countries.

Top 10 Countries/Regions



IP Examination Trends

First Office Action Pendency by IPRs



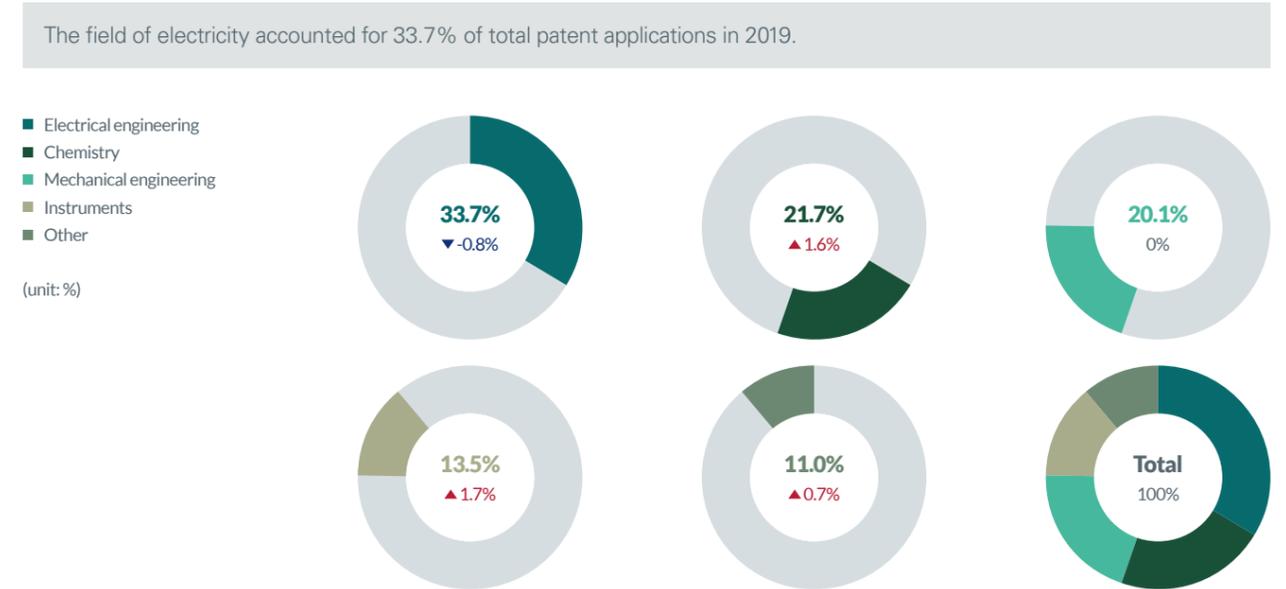
Top IPR Filing Domestic & Overseas Companies

Patent	1st.	2nd.	3rd.	4th.	5th.
Domestic	LG Electronics 7,797 4,551 ▲71.3%	SAMSUNG ELECTRONICS 6,313 5,883 ▲7.3%	LG Chem 4,314 4,174 ▲3.4%	HYUNDAI 2,889 2,676 ▲8.0%	SAMSUNG DISPLAY 2,319 1,846 ▲25.6%
	HUAWEI 654 501 ▲30.5%	QUALCOMM 563 860 ▼-34.5%	TEL 559 531 ▲5.3%	TOSHIBA 483 383 ▲26.1%	Canon 436 488 ▼-10.7%
Overseas	LG Electronics 990 675 ▲46.7%	SAMSUNG ELECTRONICS 741 670 ▲10.6%	CJ 506 419 ▲20.8%	i-CODI 216 129 ▲67.4%	HYUNDAI 216 199 ▲8.5%
	Apple 278 171 ▲62.6%	NIKE 143 82 ▲74.4%	GM 109 17 ▲541.2%	LV 85 19 ▲347.4%	SMC 80 52 ▲53.8%
Industrial design	LG Household & Health Care 946 1,189 ▼-20.4%	E·LAND 666 301 ▲121.3%	coupang 562 536 ▲4.9%	AMOREPACIFIC 550 621 ▼-11.4%	CJ ENM 477 375 ▲27.2%
	L'ORÉAL PARIS 114 98 ▲16.3%	kao 74 55 ▲34.5%	amazon 69 58 ▲19.0%	Johnson & Johnson 66 59 ▲11.9%	SUPERCCELL 54 -
Trademark	L'ORÉAL PARIS 114 98 ▲16.3%	kao 74 55 ▲34.5%	amazon 69 58 ▲19.0%	Johnson & Johnson 66 59 ▲11.9%	SUPERCCELL 54 -
	L'ORÉAL PARIS 114 98 ▲16.3%	kao 74 55 ▲34.5%	amazon 69 58 ▲19.0%	Johnson & Johnson 66 59 ▲11.9%	SUPERCCELL 54 -

■ 2019 ■ 2018 | ▲▼ Year-over-year comparison (unit: cases)

Patent Applications by Technology

Top 5 WIPO Technology Fields



Top 10 Technology Classifications

※ WIPO IPC-Technology concordance table (35 technology fields)

