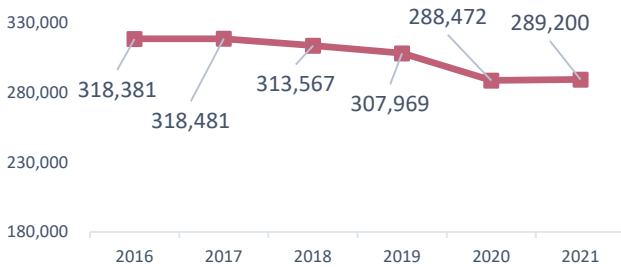


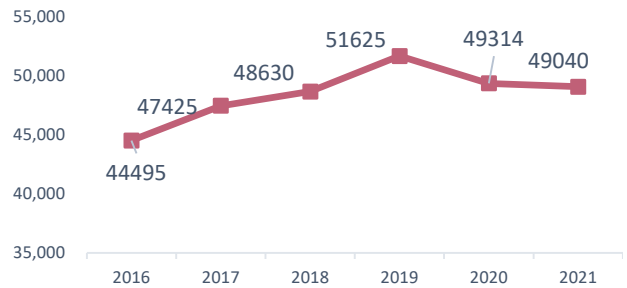
# Key Numbers

SHIGA's Comments: Patent grant rate at the examination stage, success rate at the appeal stage and patent grant rate for final results remain high.

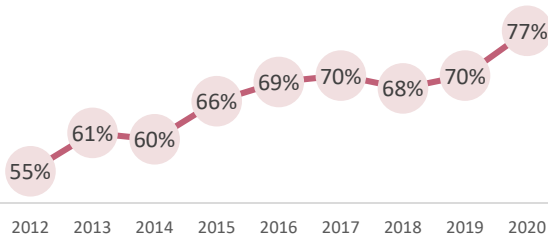
Patent Applications Filed to the JPO



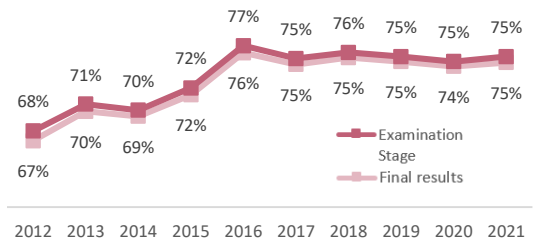
PCT Applications Filed to the JPO as Receiving Office



Success Rate at Appeal Stage

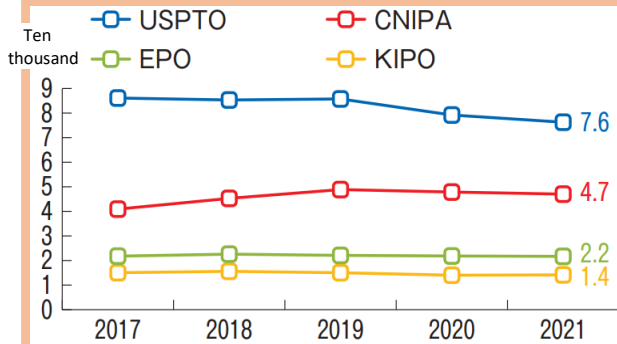


Patent Grant Rate



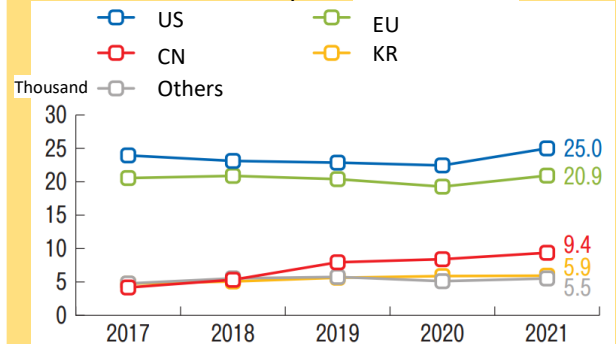
## Filing Ratios of Cases from Japan to the World/from the World to Japan

From Japan to the World



Filing to	2017	2018	2019	2020	2021
USPTO	86,113	85,322	85,748	79,207	76,275
EPO	21,774	22,591	22,086	21,841	21,681
CNIPA	40,908	45,284	48,867	47,862	47,010
KIPO	15,044	15,595	15,023	14,014	14,165

From the World to Japan



Filing from	2017	2018	2019	2020	2021
US	23,949	23,121	22,867	22,451	24,999
EU	20,559	20,884	20,394	19,272	20,924
CN	4,172	5,325	7,947	8,406	9,369
KR	4,735	5,070	5,634	5,881	5,934
Others	4,774	5,537	5,755	5,114	5,520

# Top 10 Applicants

## with the Highest Number of Patent Registrations in 2021

As for foreign countries, companies from a wide range of fields were ranked. Although the total number of applications from China is increasing, Chinese companies do not appear frequently in the ranking.

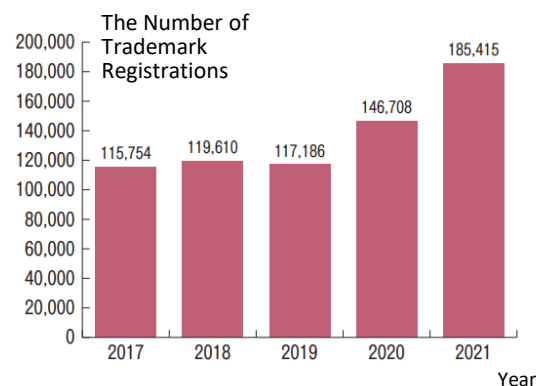
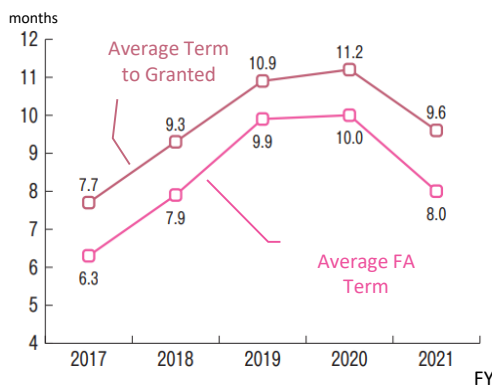
For Japanese ranking, it was largely represented by general electrical device and automotive companies.

Japanese Rank	Japanese Companies	Note	Number of Cases 2021's (2020's)
1	Mitsubishi Electric	General Electrical Device	3,494 (3626)
2	TOYOTA	Automotive	3,389 (2714)
3	Canon	General Electrical Device	3,134 (3680)
4	Panasonic	General Electrical Device	2,706 (2643)
5	DENSO *TOYOTA relating	Automotive Parts	1,650 (2049)
6	NEC	General Electrical Device	1,608 (1370)
7	Honda	Automotive	1,591 (1651)
8	Ricoh	Optical Equipment	1,469 (1602)
9	TOSHIBA	General Electrical Device	1,433 (1316)
10	FUJITSU	General Electrical Device	1,416 (1453)

Foreign Rank	Foreign Companies	Note	Number of Cases 2021's (2020's)
1	LG Chem	KR, Chemical	688 (650)
2	HUAWEI	CN, Telecommunication	605 (569)
3	Royal Philips	NL, Healthcare	528 (540)
4	QUALCOMM	US, Telecommunication	520 (679)
5	General Electric	US, Heavy Industrial	457 (327)
6	Robert Bosch	DE, Automotive	363 (335)
7	The Boeing	US, Aviation	348 (290)
8	LG Electronics	KR, Electronics	322 (226)
9	3M	US, Chemical	320 (242)
10	Samsung Electronics	KR, Electronics	308 (341)

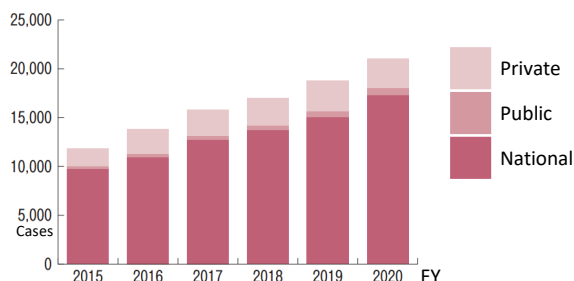
## TM Examination is Becoming Fast

The JPO has achieved expediting patent examination and is improving on trademark examination as well. The number of FAs issued in 2021 reached 123% of last year.



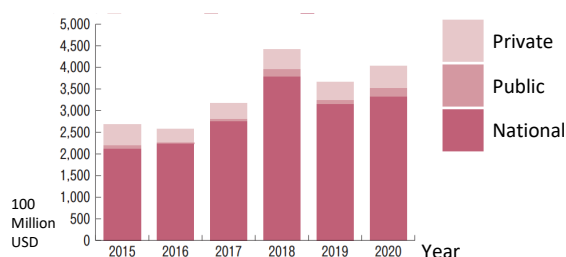
## Patent Enforcement/Transfer by Universities is Rising

The Number of Patent Enforcement/Transfer by Universities



The Income

Obtained from Patent Enforcement/Transfer by Universities



Unit: Number of cases	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020
Private University	1,905	2,556	2,704	2,839	3,184	3,045
Public University	245	351	358	477	608	742
National University	9,722	10,925	12,736	13,686	14,992	17,269

Unit: 100 Million USD	2015	2016	2017	2018	2019	2020
Private University	485	307	379	451	420	509
Public University	80	36	45	176	88	206
National University	2,119	2,232	2,755	3,784	3,153	3,320