

**Table 1 Top three technology fields of invention applications in Taiwan and WIPO
PCT applications for major filing countries (regions) in 2022**

Nationality of applicants	Patent Office	Share of top three technology fields in 2022			Sum of shares
Taiwan	TIPO	Semiconductors 16.0%	Computer technology 11.8%	Electrical machinery 7.5%	35.3%
Mainland China	TIPO	Semiconductors 11.7%	Computer technology 10.8%	Audio-visual technology 7.8%	30.3%
	WIPO	Computer technology 15.7%	Digital communication 15.6%	Electrical machinery 7.1%	38.4%
US	TIPO	Semiconductors 13.2%	Computer technology 10.3%	Pharmaceuticals 7.5%	31.0%
	WIPO	Computer technology 13.1%	Medical Technology 10.7%	Digital communication 10.5%	34.3%
Japan	TIPO	Semiconductors 14.7%	Macromolecular chemistry 10.9%	Surface technology 7.4%	33.0%
	WIPO	Electrical machinery 10.7%	Computer technology 6.7%	Digital communication 5.5%	22.9%
R. Korea	TIPO	Semiconductors 22.5%	Computer technology 13.6%	IT methods for management 6.9%	43.0%
	WIPO	Digital communication 10.9%	Computer technology 10.8%	Electrical machinery 10.3%	32.0%
Germany	TIPO	Organic fine chemistry 10.8%	Basic materials chemistry 7.9%	Optics 6.8%	25.5%
	WIPO	Electrical machinery 11.1%	Transport 9.7%	Measurement 6.8%	27.6%

Note: 1. TIPO data represents invention applications in Taiwan based on filing year. Sources: TIPO Database, July 2023.

2. WIPO data represents published PCT applications based on publication year. Sources: WIPO IP Facts and Figures, <https://www.wipo.int/en/ipfactsandfigures/patents>.

3. "Electrical machinery" is short for "Electrical machinery, apparatus, energy"; "Surface technology" is short for "Surface technology, coating"; "Macromolecular chemistry" is short for "Macromolecular chemistry, polymers."

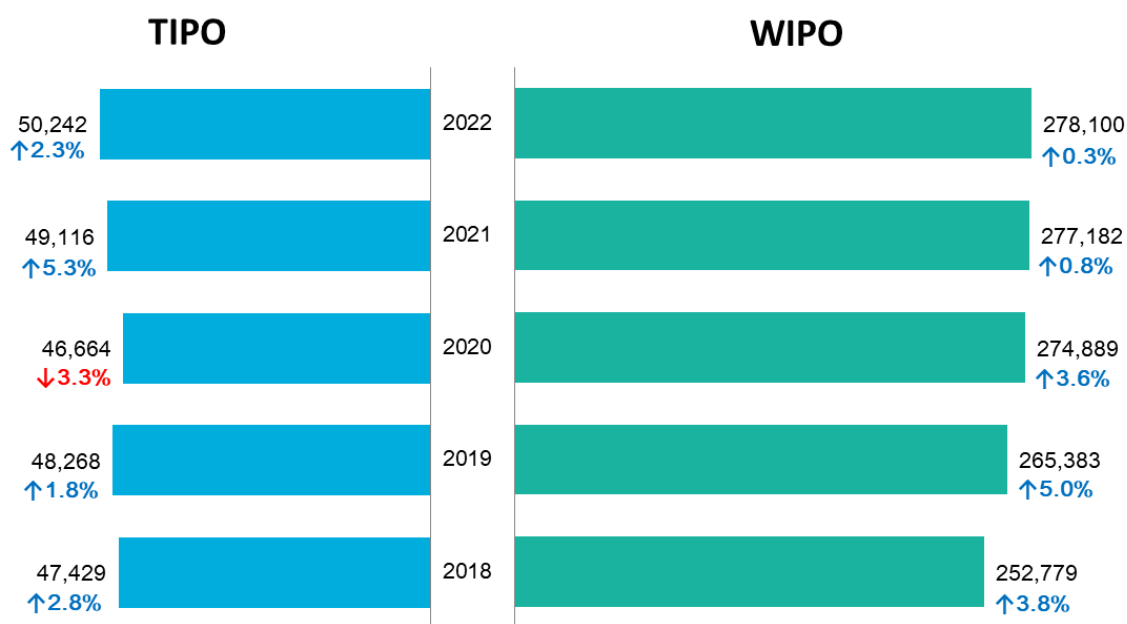


Fig.1 Invention applications in Taiwan and WIPO PCT applications in 2018-2022

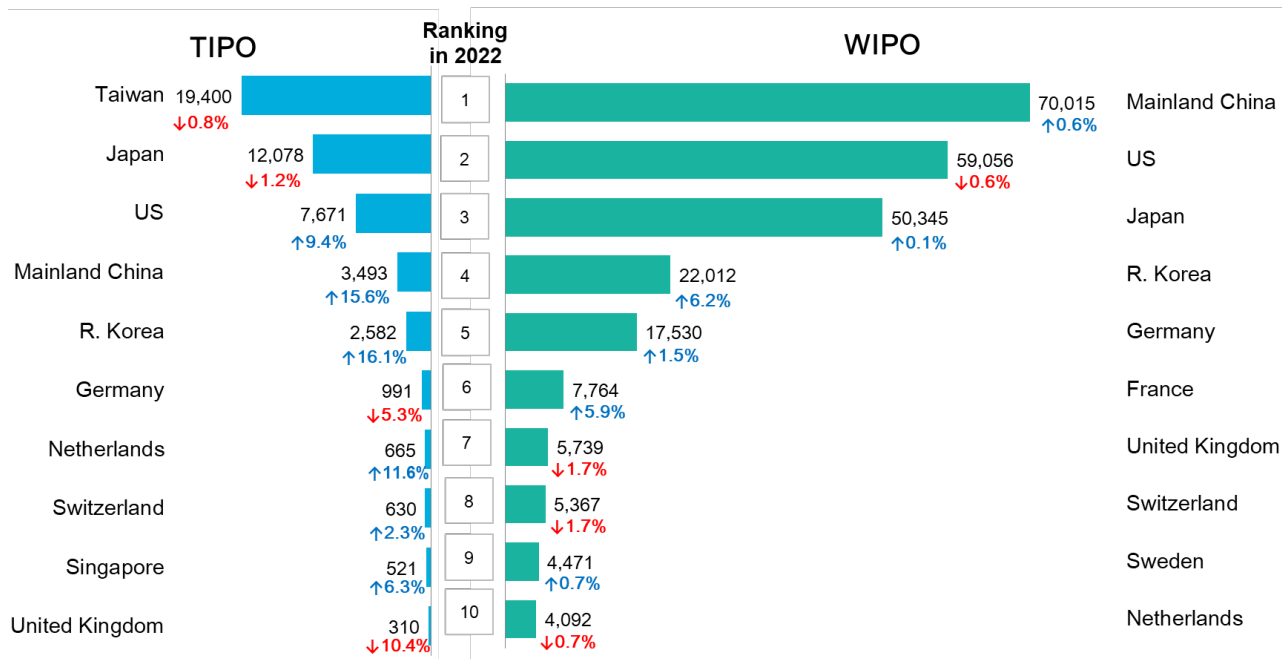


Fig.2 Invention applications for the top countries by region in Taiwan and WIPO PCT applications in 2022

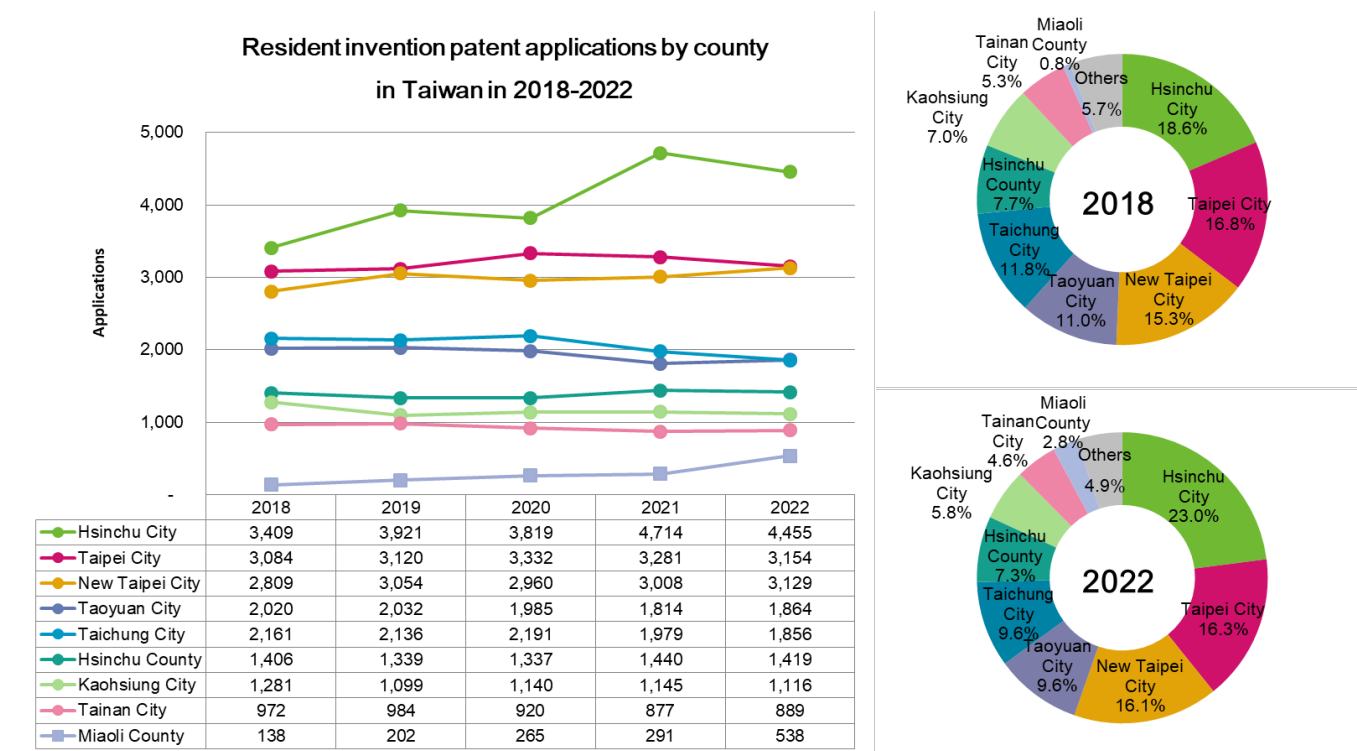


Fig. 3 Distribution of resident invention patent applications in Taiwan in 2018-2022

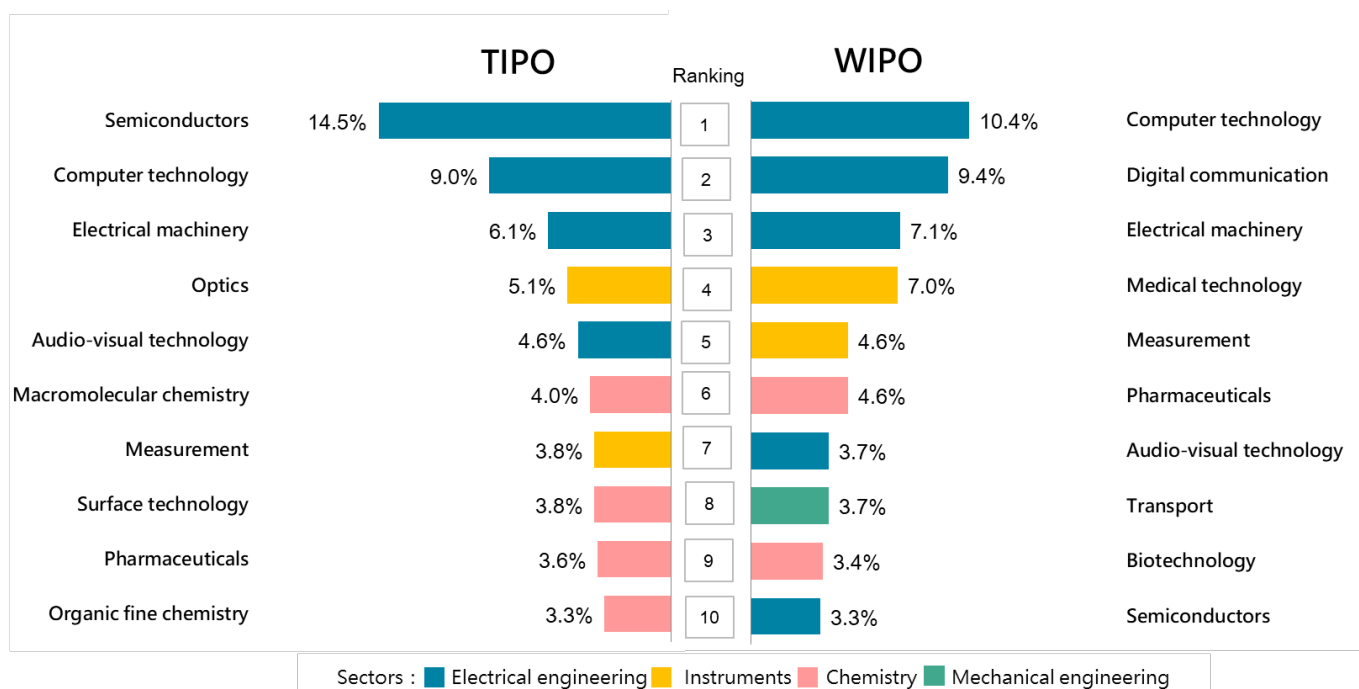


Fig. 4 Top 10 technology fields of invention applications in Taiwan and WIPO PCT

applications in 2022

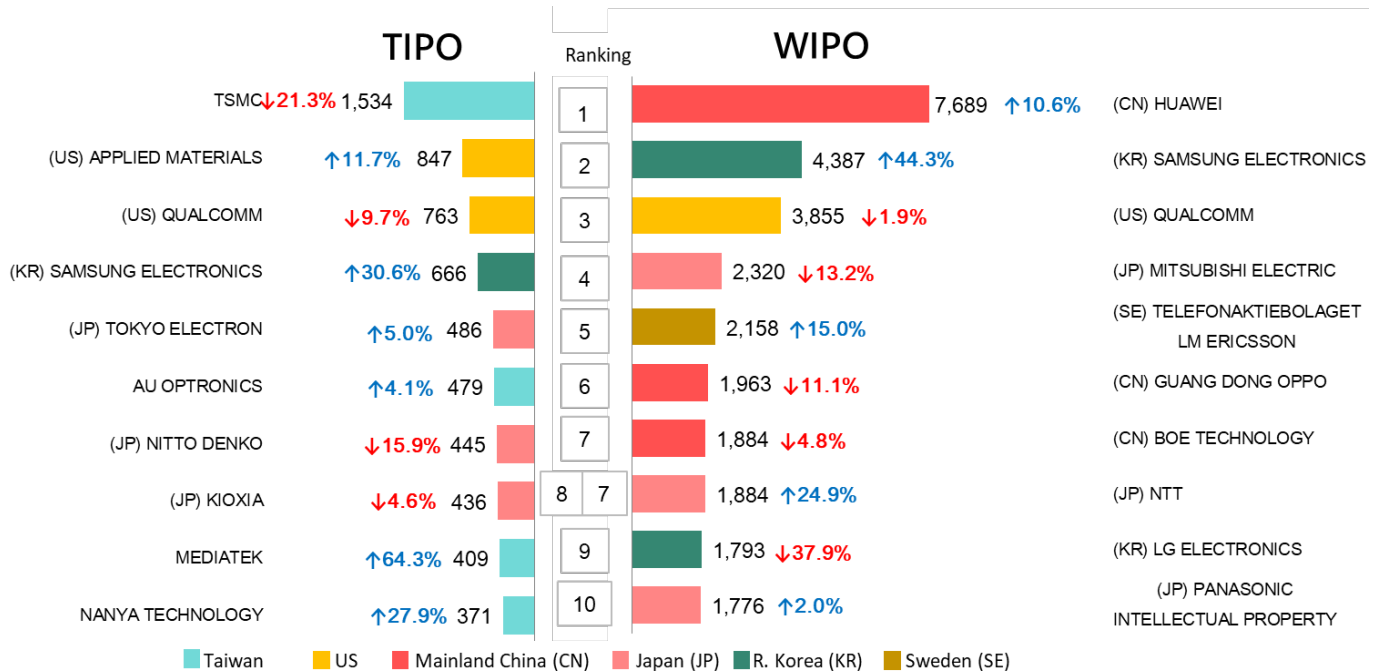


Fig. 5 Top 10 business applicants for invention applications in Taiwan and WIPO PCT applications in 2022

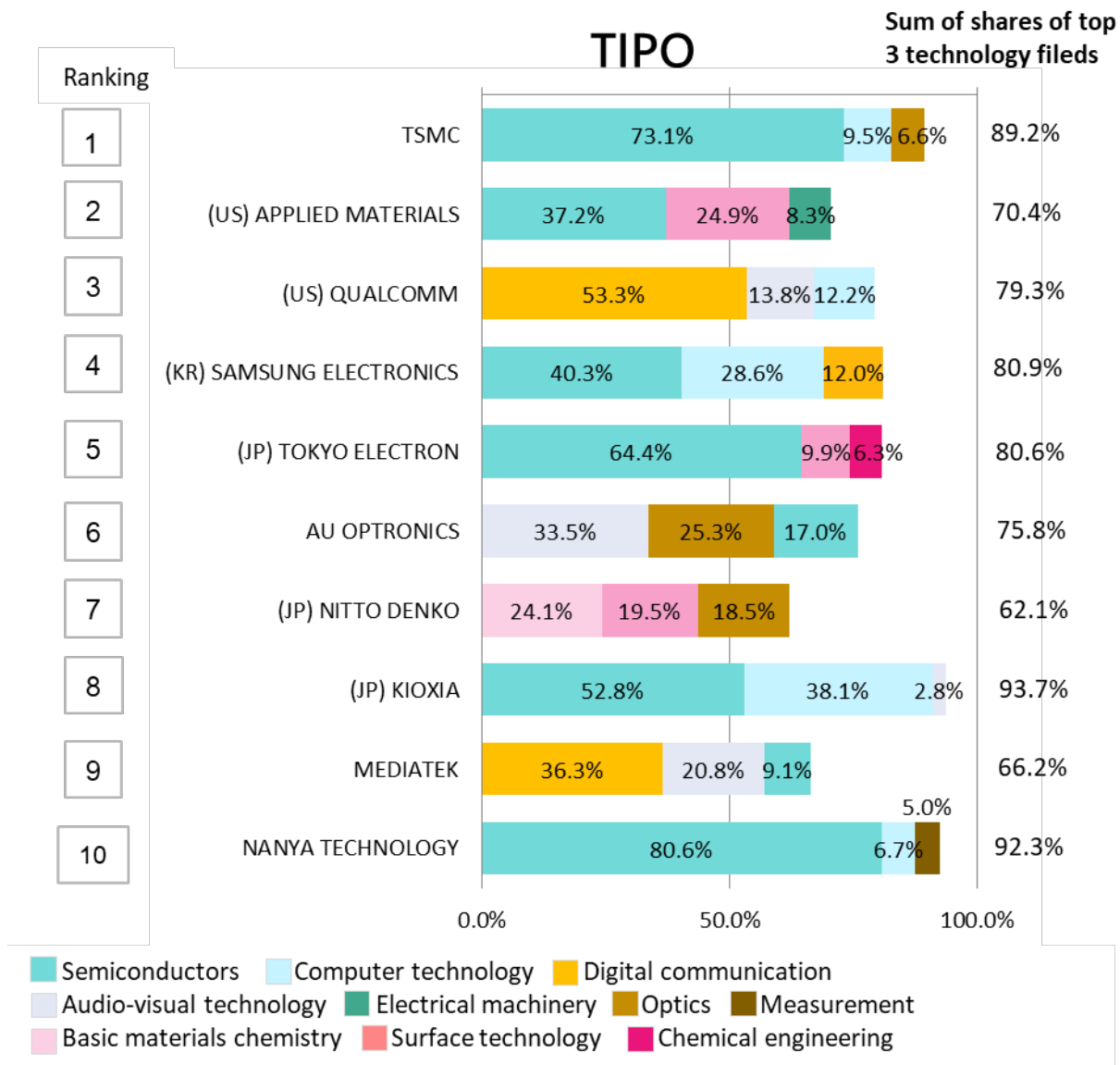


Fig. 6 Top 3 technology fields for the top 10 Taiwan business applicants in 2022 based on applications in 2019-2021

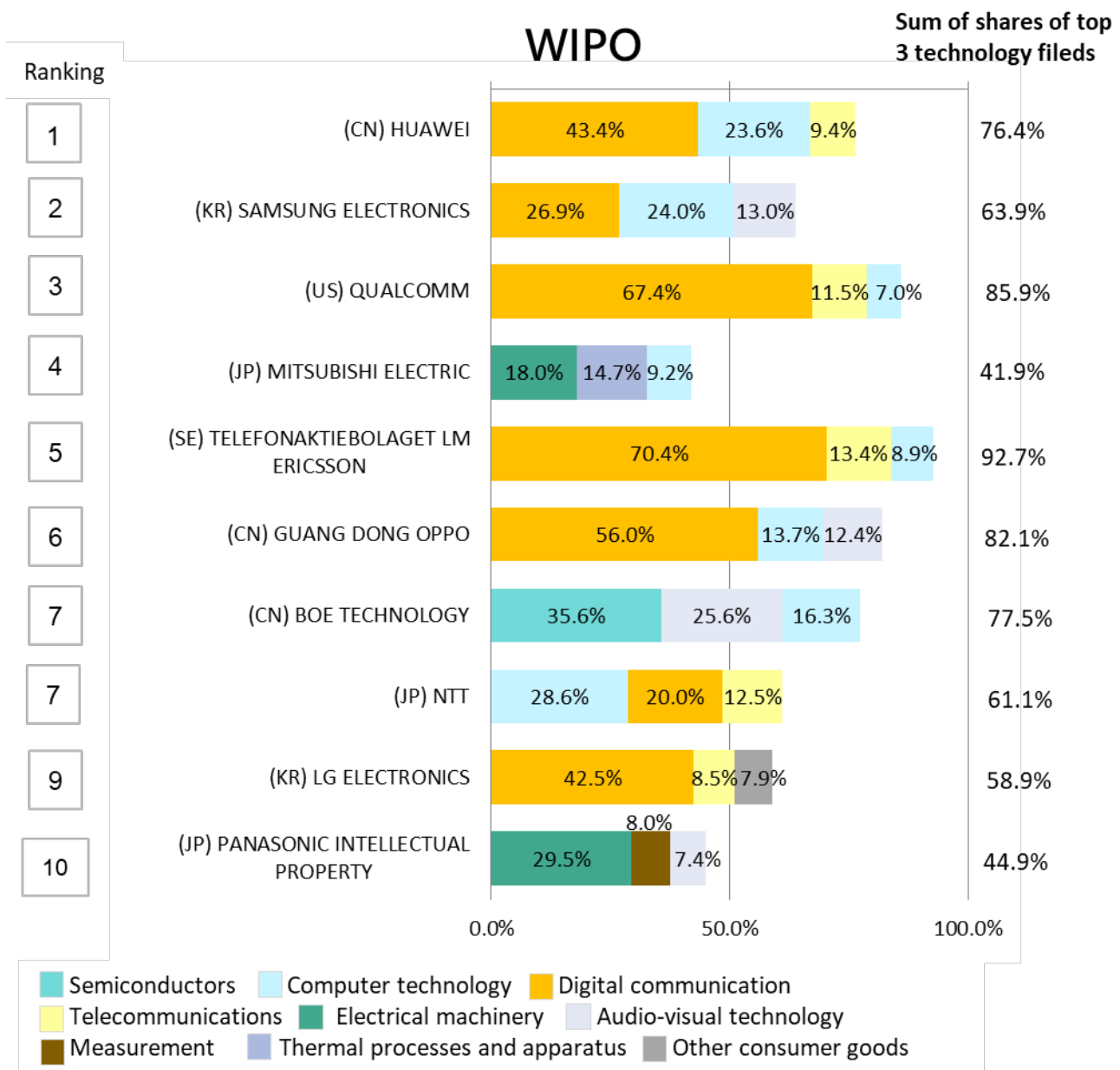


Fig. 7 Top 3 technology fields for the top 10 WIPO PCT business applicants in 2022

Date: 112.09.07

Total Page No.10

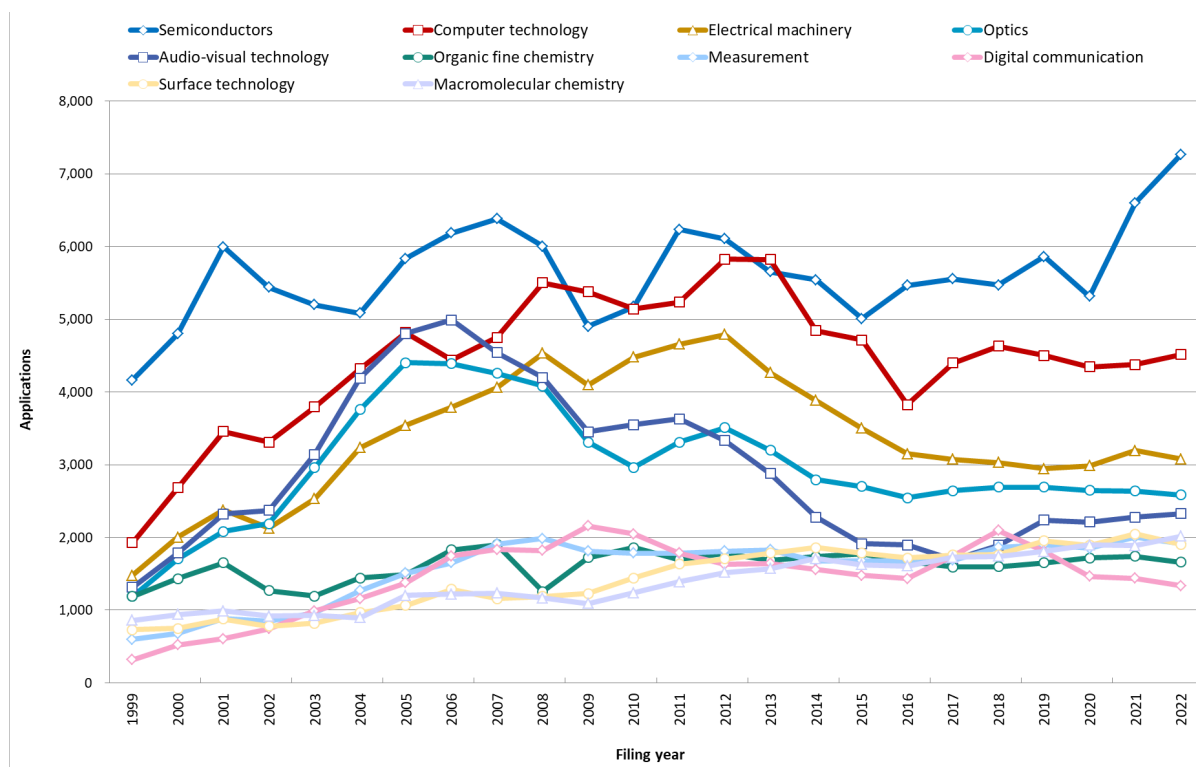


Fig. 8 Trend in applications for the top 10 technology fields in Taiwan, 1999–2022

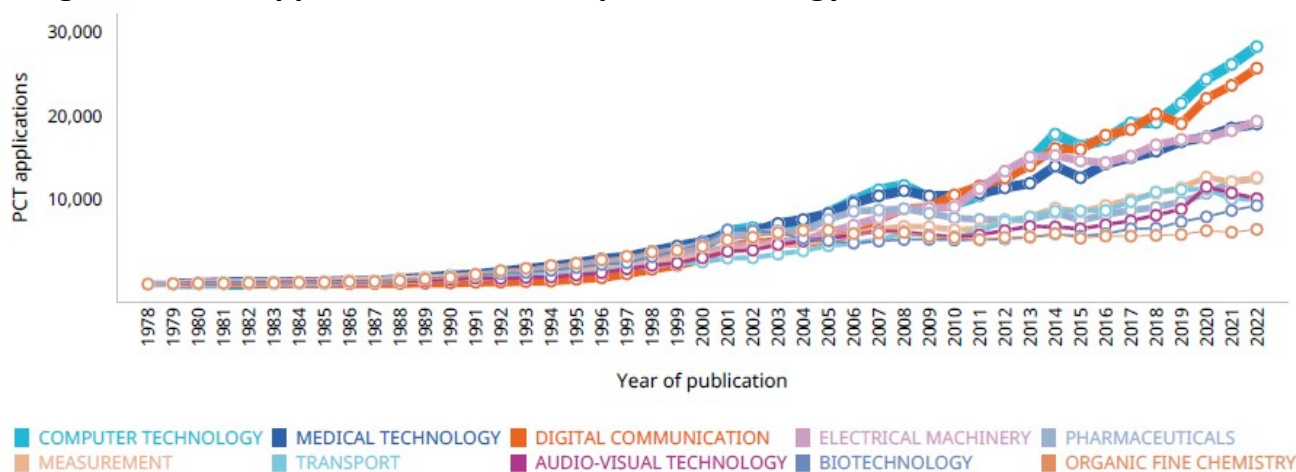


Fig 9. Trend in PCT applications for the top 10 technology fields, 1978–2022