



Innovation, Science and
Economic Development Canada

Innovation, Sciences et
Développement économique Canada



Data Ecosystems: Intellectual Property & Standards

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About Each Organization

CIO Strategy Council

The CIO Strategy Council is a Canadian not for profit organization that provides a national forum for the country's technology C-suite to collectively shape and mobilize on common digital priorities. Cutting across major sectors of the Canadian economy – public, private and not for profit – the Council harnesses the collective expertise and action of Canada's CIOs to propel Canada as a digital-first nation. The CIO Strategy Council is accredited by the Standards Council of Canada and develops standards that support the data-driven economy.

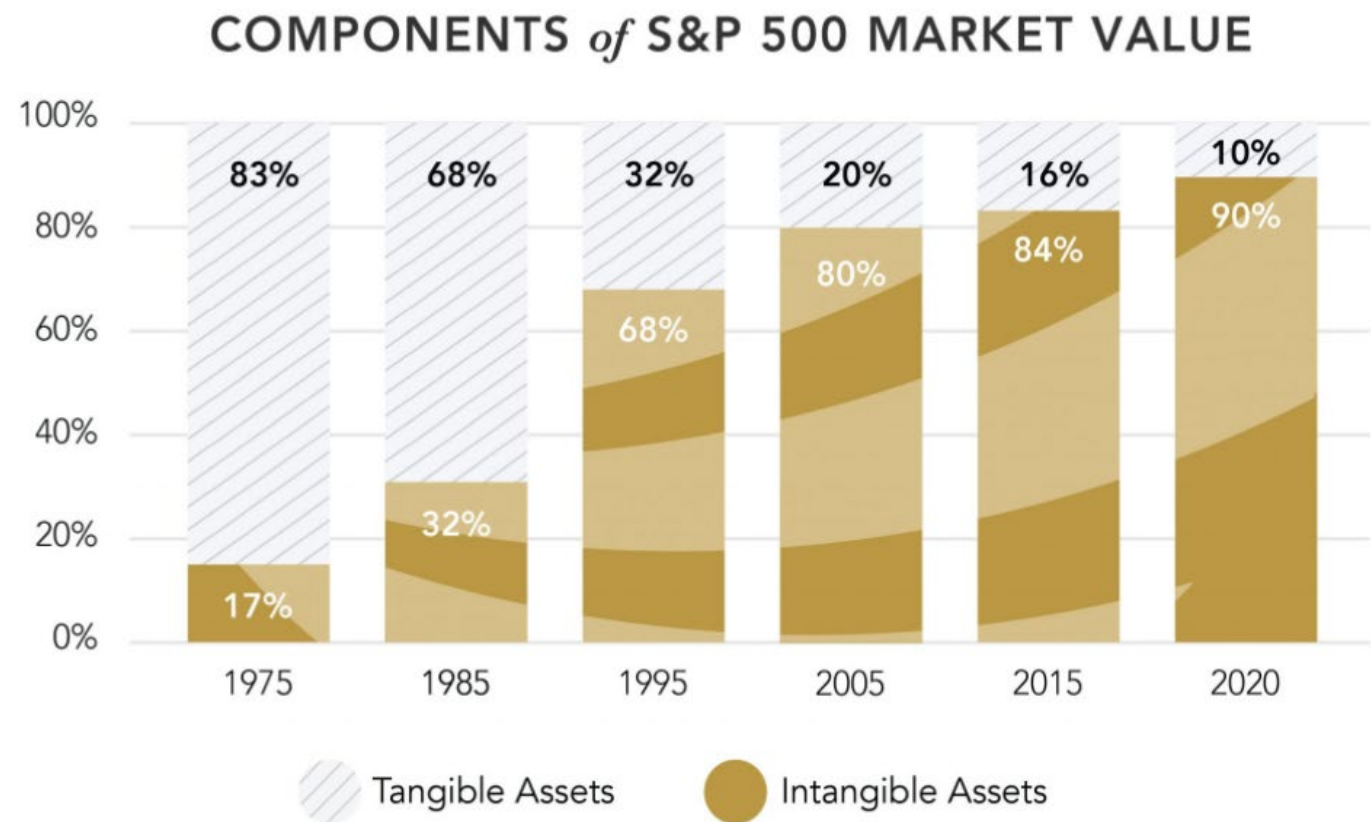
Canadian Intellectual Property Office

The Canadian Intellectual Property Office (CIPO), a Special Operating Agency of Innovation, Science and Economic Development Canada (ISED), is responsible for the administration and processing of Intellectual Property (IP) in Canada. CIPO contributes to Canada's innovation and economic success by providing greater certainty in the marketplace through high-quality and timely IP rights, fostering and supporting invention and creativity through knowledge sharing, raising awareness to encourage innovators to better exploit IP, helping institutions compete globally through international cooperation and the promotion of Canada's IP interests, and administering Canada's IP system and office efficiently and effectively.



Growing Importance of Intangible Assets

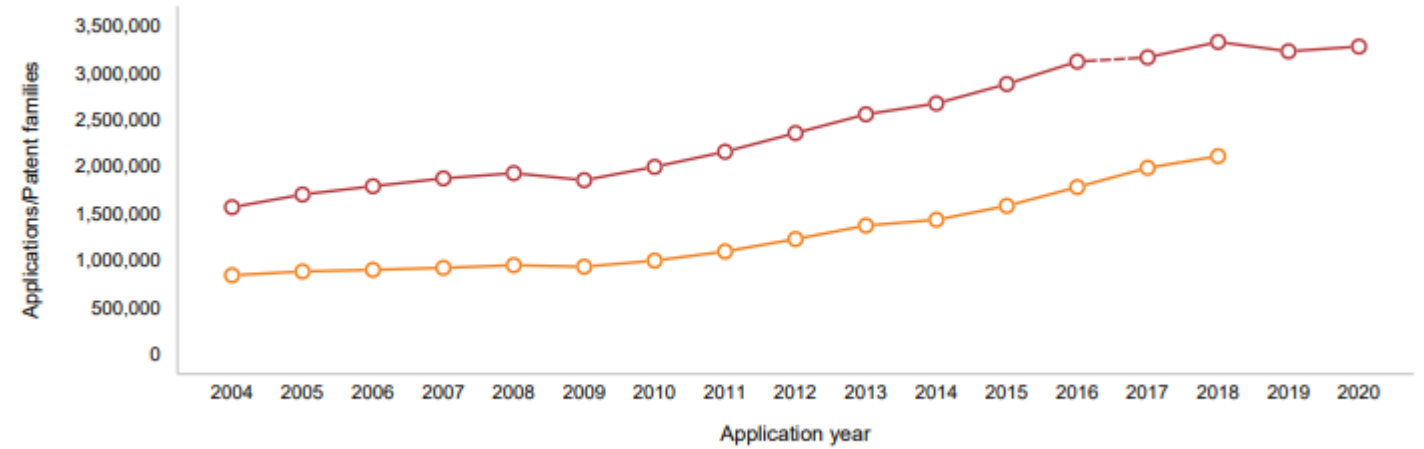
The share of the intangible asset market value has increased considerably.



SOURCE: OCEAN TOMO, LLC INTANGIBLE ASSET MARKET VALUE STUDY, 2020

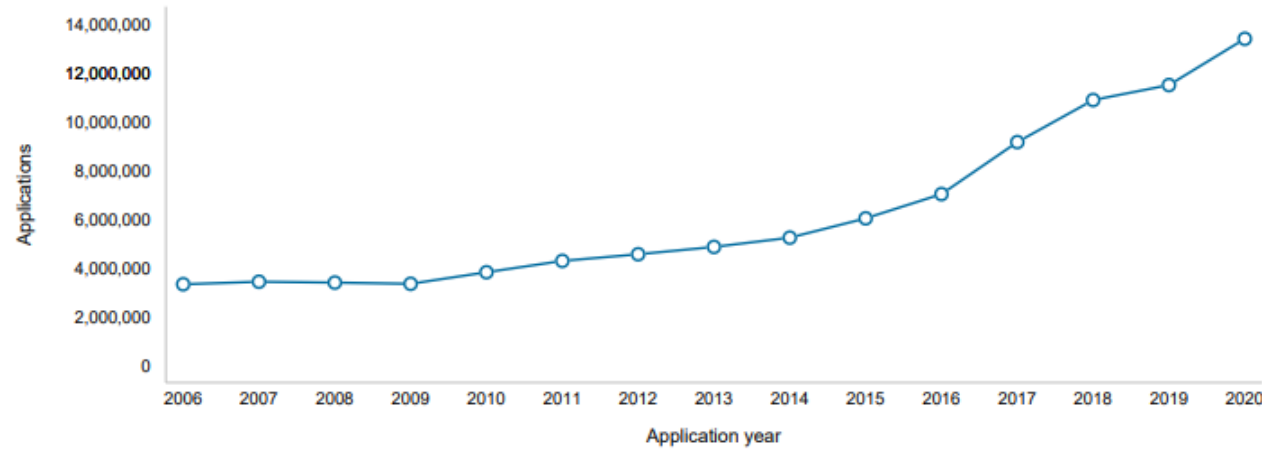
International IP Filing Trends

Patent filings for unique inventions exceeded 2 million in 2018

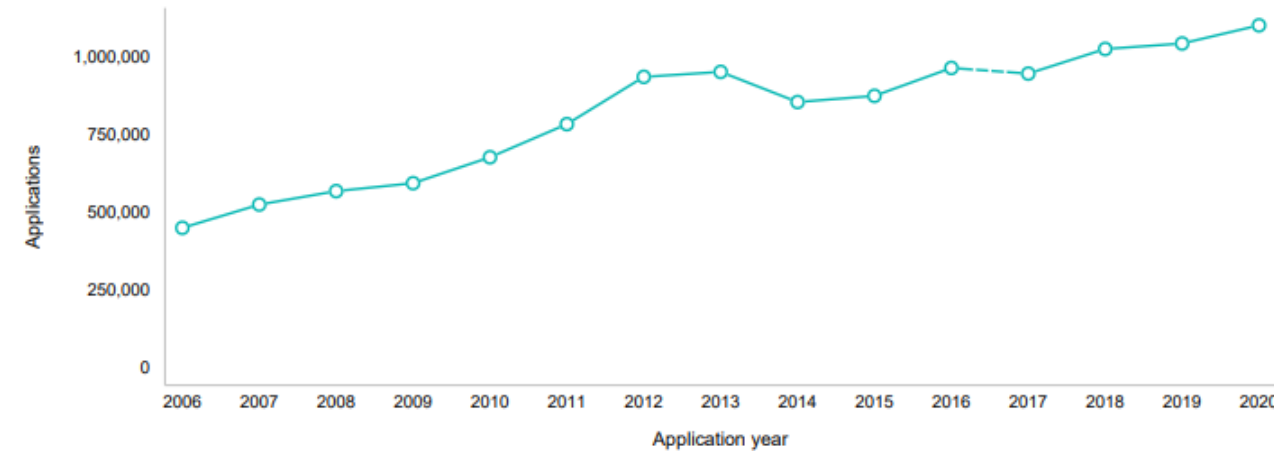


■ APPLICATIONS ■ PATENT FAMILIES

An estimated 13.4 million trademark applications were filed worldwide in 2020

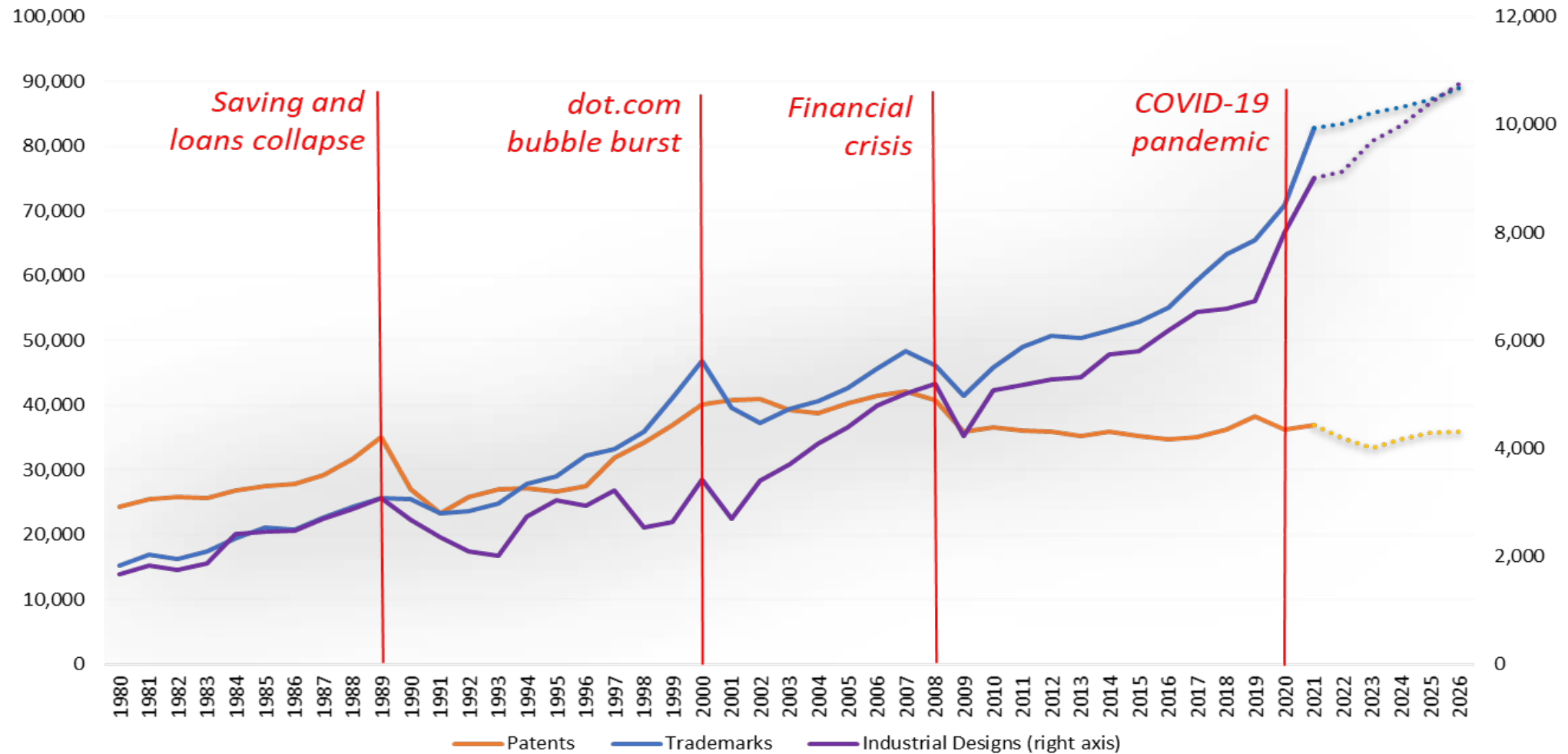


About 1.1 million industrial design applications were filed worldwide in 2020



Source: WIPO World Intellectual Property Indicators Report 2021

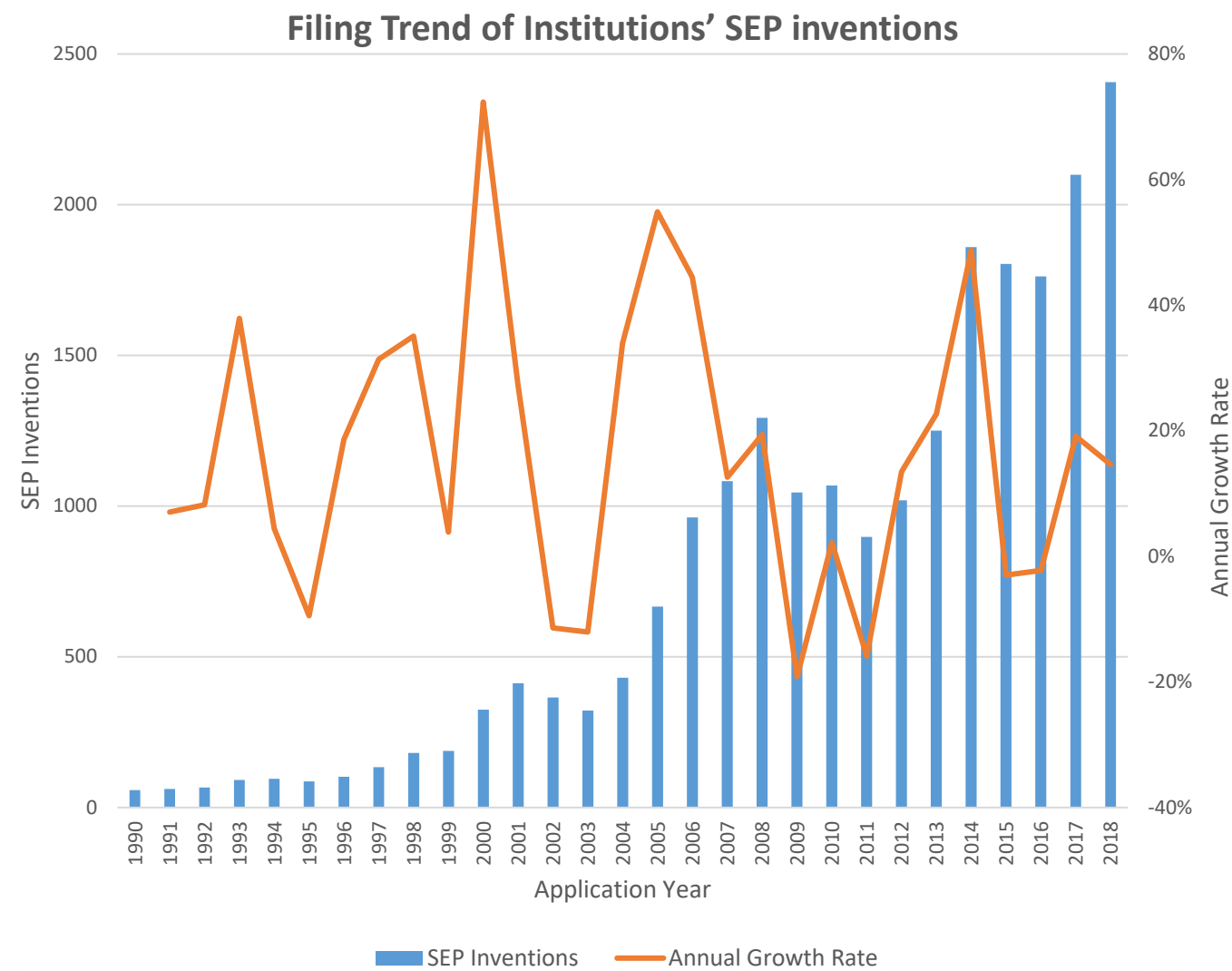
IP Filing Trends in Canada



Source: Canadian Intellectual Property Office

Growth in Standard Essential Patents (SEP)

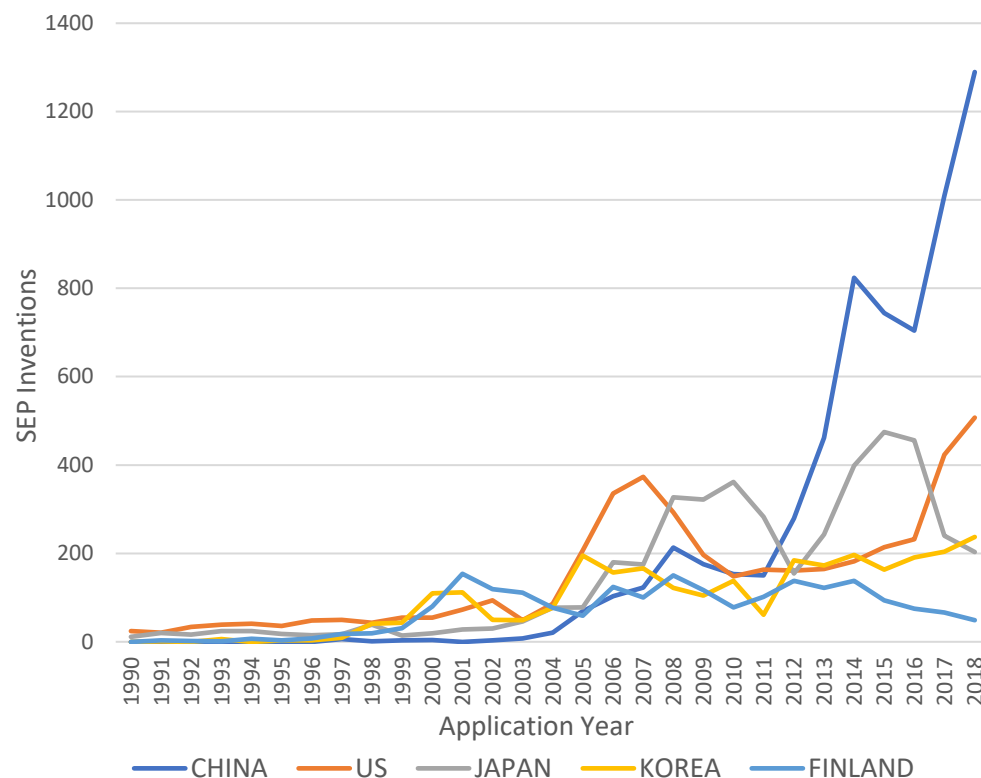
Annual average growth rate of 16.4%



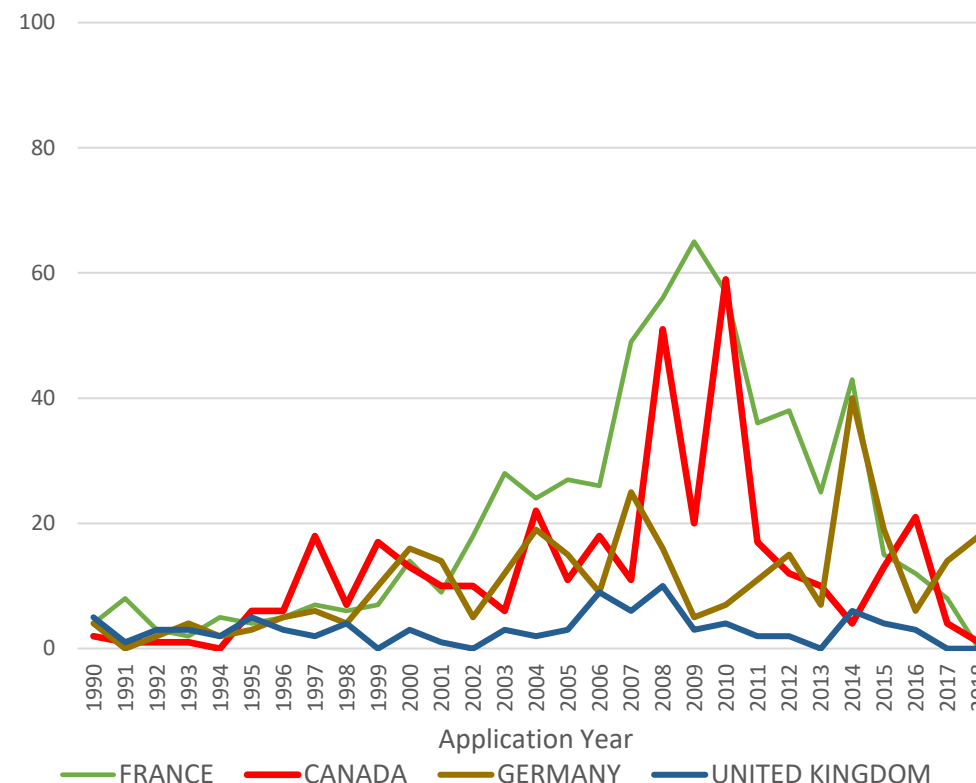
Source: PatentVector

SEP Activity by Country of Origin

Institutions SEP inventions filing trends by leading countries



China is the leader with 6,344 SEP inventions

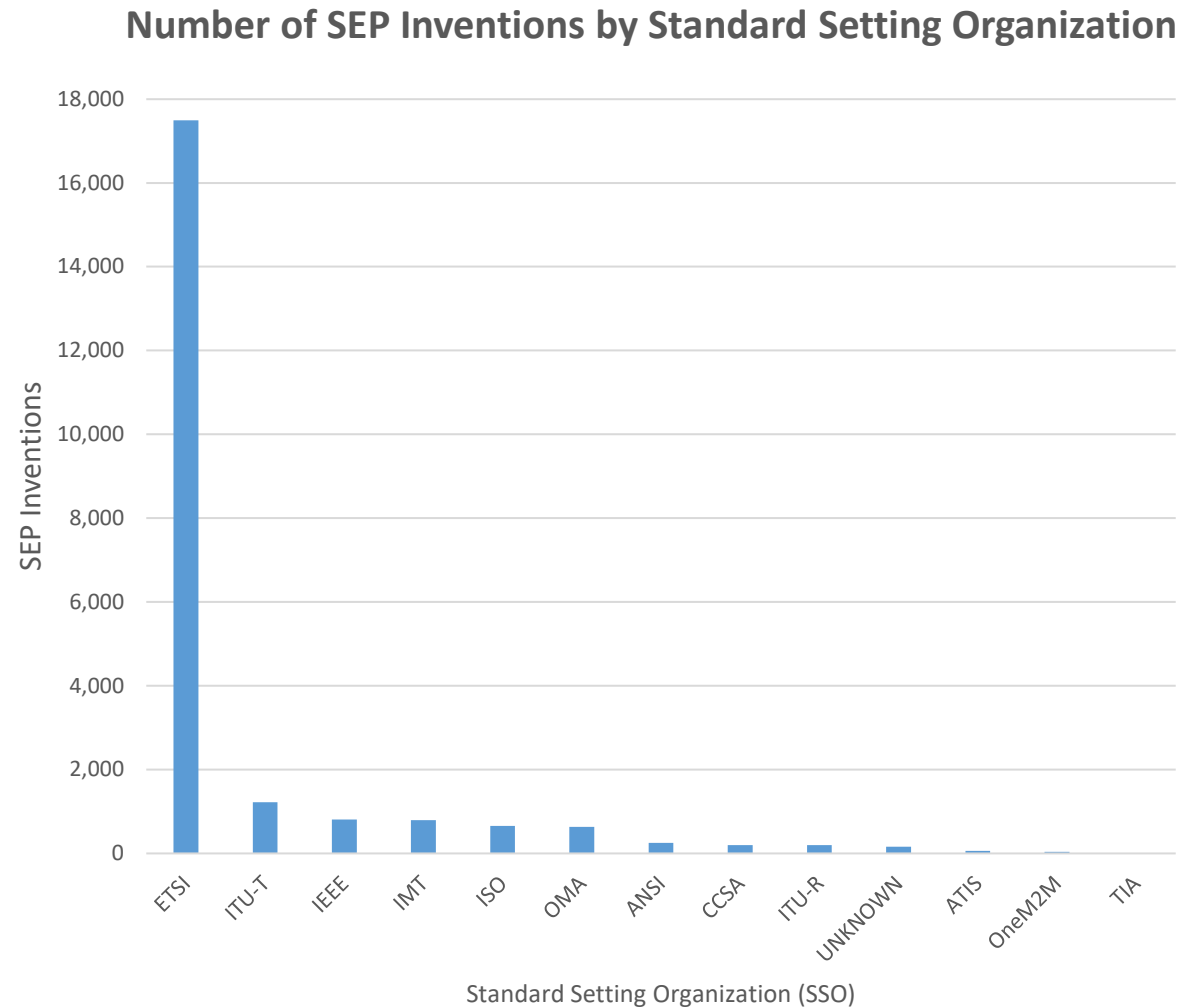


Canada is on par with other leading economies such as France, Germany and the United Kingdom

Source: PatentVector

SEPs by Standard Setting Organization

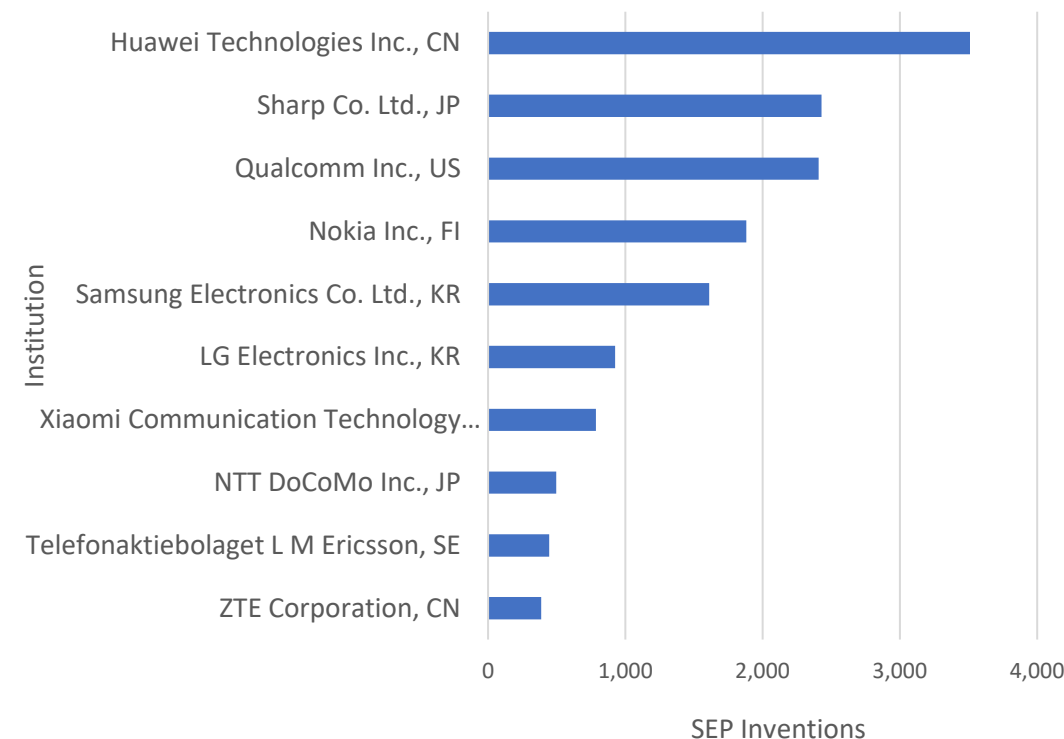
- 12 Standard Setting Organisations (SSOs)
- 78% of SEPs were declared at the European Telecommunications Standards Institute (ETSI)



Source: PatentVector

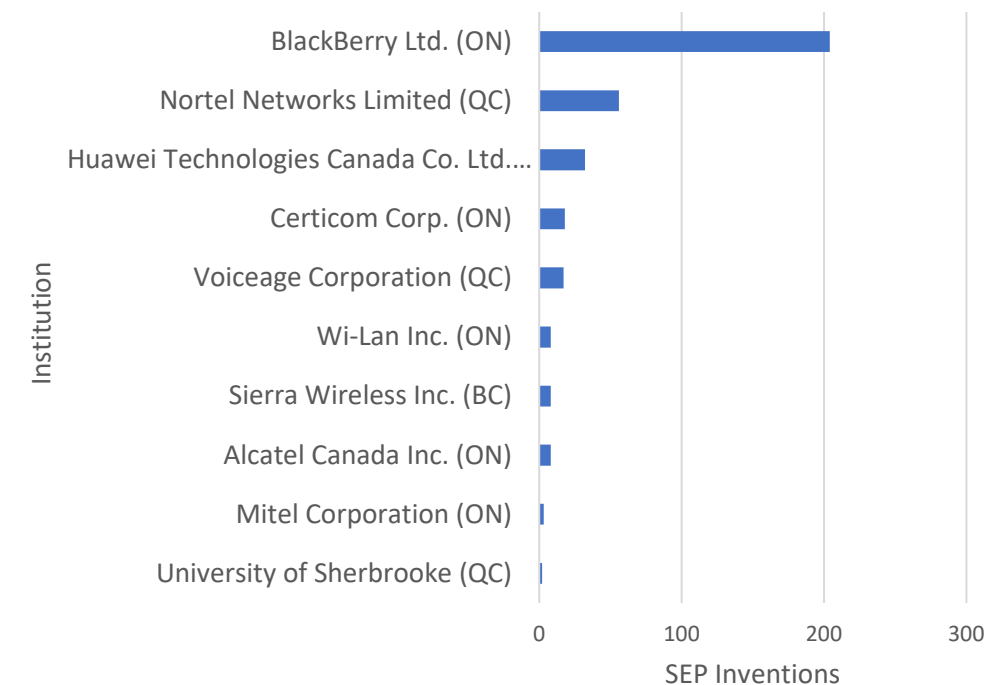
Leading SEP Filing Institutions

Top Ten Institutions Worldwide between 1990 and 2018



Huawei is the leader with 3,512 SEP inventions

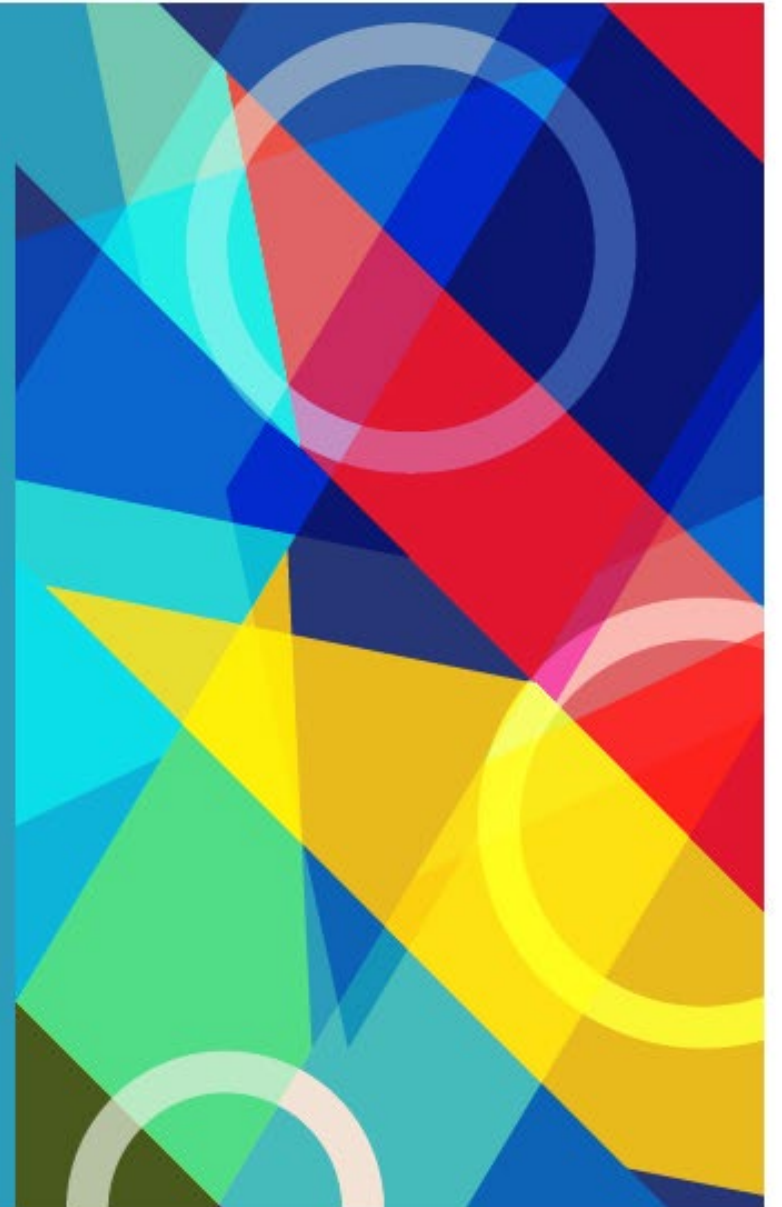
Top Ten Canadian Institutions between 1990 and 2018



BlackBerry leads with a total of 204 SEP inventions

Source: PatentVector

- What does this mean for policy makers?...
- What does this mean for industry?...



Thank you

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