
Abbreviations

AI	Artificial intelligence
ARIPO	African Regional Intellectual Property Organization
B	Billion
BIO-M	Study of biomaterial technology
BMBF	Bundesministerium für Bildung und Forschung
BRIC	Brazil, Russia, India and China
C-field	Chemical engineering field
CAFC	United States Court of Appeals for the Federal Circuit
CAPM	Capital Asset Pricing Model
CBI	Confederation of British Industry
CEO	Chief executive officer
CIPO	Chief intellectual property officer
CIS	Community Innovation Survey
CP	Community patent
CTO	Chief technology officer
DPMA	Deutsches Patent- und Markenamt
E-area	Electricity area
E-field	Electrical engineering field
EC	European Commission
EMU	Economic and Monetary Union
EP	European patent
EPC	European Patent Convention
EPLA	European Patent Litigation Agreement
EPO	European Patent Office
ETSI	European Telecommunications Standards Institute
EU	European Union
EUR	Euro
FDI	Foreign direct investment
FF	First filing
FIB	Foreign is better
FRAND	Fair, Reasonable, and Non-Discriminatory terms
FTC	Federal Trade Commission
FTO	Freedom to operate
GATT	General Agreement on Tariffs and Trade
GAZ	Study of high-growth “gazelle” companies
GDP	Gross domestic product
GDPR	General Data Protection Regulation
GERD	Gross domestic expenditure on R&D
GGVV	Study of the Gnosjö region (Gislaved, Gnosjö, Vaggeryd and Värnamo)
GII	Global Innovation Index

GNI	Gross national income
GNP	Gross national product
GSM	Global System for Mobile communications (originally Groupe Spécial Mobile)
GPTs	General purpose technologies
GRP	Gross regional product
HDI	Human Development Index
HIT	Study of high-tech companies
I&E	Innovation and entrepreneurship
IAS	International Accounting Standards
IC	Intellectual capital
ICLs	Innovation collaborations
ICT	Information and communication technology
IFRS	International Financial Reporting Standards
IIP	Innovation and intellectual property
INT	Study of international conditions
IoT	Internet of things
IP	Intellectual property
IP5	The five large IP Offices, known as “The Big Five” (EPO, JPO, KIPO, SIPO, USPTO)
IPC	International Patent Classification
IPE	Study of the supply and demand of patent and IP education in Sweden
IPM	IP management
IPO	Initial public offering
IPR	Intellectual property right
IPRED	Intellectual Property Rights Enforcement Directive
IT	Information technology
IT-SME	Questionnaire study of small and medium-sized companies in the IT sector
ITU	International Telecommunication Union
IVA	Royal Swedish Academy of Engineering Sciences
JPO	Japan Patent and Trademark Office
KIPO	Korean Intellectual Property Office
LF	Large firms
LTE	Long Term Evolution
M	Million
M&A	Mergers and acquisitions
M-field	Mechanical engineering field
MADs	M&As and divestments
MELT	Managerial, economic, legal and technological
MITI	Ministry of International Trade and Industry (Japan)
MNC	Multinational corporation
MoU	Memorandum of understanding
MTB	Market to book
NAE	National Academy of Engineering
NAS	National Academy of Science
NGOs	Non-governmental organizations

NIC	National Intellectual Capital
NIR	Journal and association for Nordic immaterial property rights protection
NMT	Nordic Mobile Telephony System
NP	National patent
NPE	Non-producing or non-practicing entity
NPF	Non-profit foundation
NPOs	National patent offices
NRC	National Research Council
OECD	Organisation for Economic Co-operation and Development
OEM	Original Equipment Manufacturer
OTC	Over-the-counter
PAE	Patent Assertion Entity
PCT	Patent Cooperation Treaty
PEs	Producing entities
PEST	Study of exploitation of important patents
PEX	Patent and growth investigation
PEX4-L	Questionnaire study of large companies
PEX4-PB	Questionnaire study of patent consultancy agencies
PEX4-PRV	Study of the Swedish PTO patent statistics
PEX4-S	Questionnaire study of small and medium-sized companies
PF	Patenting frequency
PFI	Profit from innovation
PLC	Product life cycle
PLT	Patent Law Treaty
PME	Patent monetization entity
PPH	Patent Prosecution Highway
PPP	Public-private partnership
PPP-chem	Study of product and process patents in the chemical field
PPR	Physical property right
PR	Property right
PRV	Swedish Patent and Registration Office (or Swedish PTO)
PTO	Patent and Trademark Office
PTT	Post, telegraph and telephone
R&D	Research and development
RAND	Reasonable and Non-Discriminatory terms
RoI	Return on investment
QOL	Quality of life
S&T	Science and technology
SDGs	Sustainable Development Goals
SEK	Swedish crown
SEPs	Standard essential patents
SFs	Submitted national filings
SFFs	Swedish first filings
SIPO	Chinese Patent and Trademark Office
SMEs	Small and medium-sized companies
SSI	Study of Sweden's greatest innovations

SSOs	Standard setting organizations
STEP	Science, Technology and Economic Policy
TBI	Technology-based industry
TBS	Technology-based service industry
TDD	Time division duplex
TLO	Technology licensing office
TQM	Total Quality Management
TRIPS	The Agreement on Trade-Related Aspects of Intellectual Property Rights
TTO	Technology transfer office
UNDP	United Nations Development Programme
UMTS	Universal Mobile Telecommunication System
UP	Unitary Patent
UPC	Unified Patents Court
USD	United States dollar
USPTO	United States Patent and Trademark Office
VC	Venture capital
VHS	Video Home System
VINNOVA	The Swedish Innovation Agency
WIPO	World Intellectual Property Organization
WHR	World Happiness Report
WTO	World Trade Organization