Innovation Frontline™

Mining Innovations

www.techipm.com

Products Overview

Tech & IP

What is Innovation Frontline™?

- Innovation Frontline™ is an in-depth research report on the technology innovations landscape.
- Innovation Frontline™ is based on the statistical and analytical methods for mining patent information.
- Research for RFID Innovation Frontline™ is done by an expert both in intellectual property (IP) and technology subject matter.

What's in Innovation Frontline™?

- IF Statistics™ shows technology innovations landscape from the statistical analysis of bibliographical patent information .
- IF Analytics™ shows the technology innovations landscape from the in-depth quantitative and qualitative analysis of patent information.
- IF Enterprise™ shows the technology innovations landscape for specific companies.

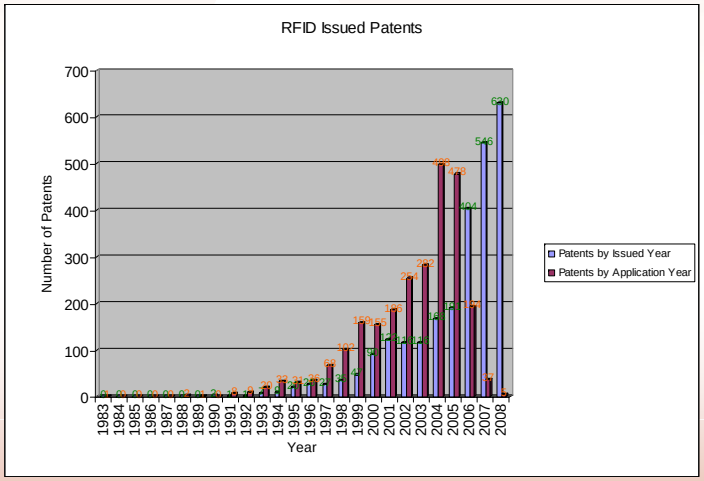
Utilization of Innovation Frontline™

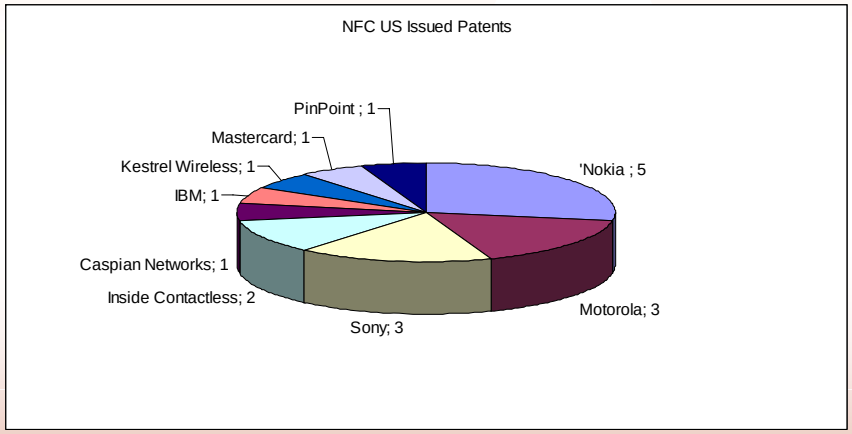
- Trend analysis for technology/product/market forecasting.
- Planning technology/business strategy.
- Competitive Intelligence for a specific industry.
- IP strategy for R&D.
- Opportunity analysis for technology licensing.

IF Statistics™

Tech & IP

- Number of issued patents/published applications by application and issued year.
- Ranking information by assignee (or inventor), nationality, UPC (or IPC), patent families, and citations.



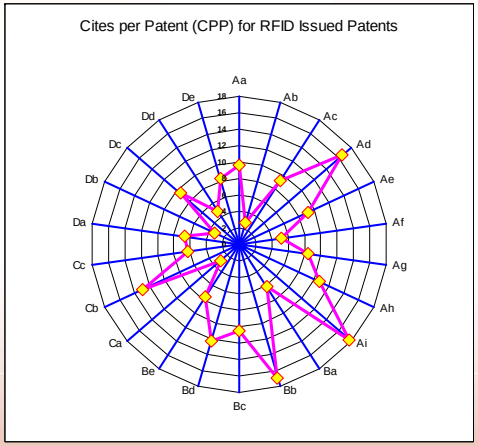


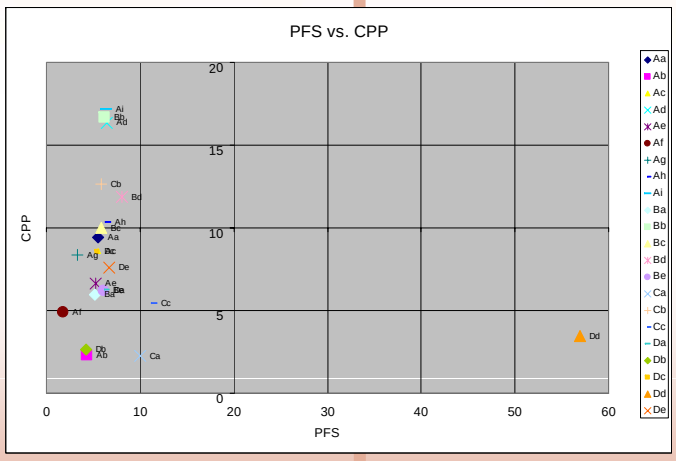
Trends and Ranking

IF Analytics™

Tech & IP

- Top assignees' patent portfolios by customized technology classifications.
- Innovation indexes such as cites per patent and patent family size.
- Technology development snapshot for a focused field of technology.





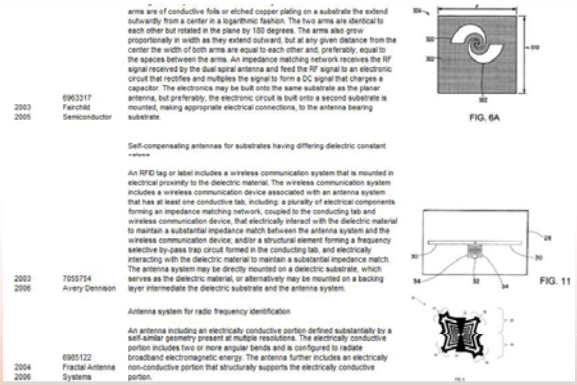

arms are of conductive foils or etched copper plating on a substrate the extend outwardly from a center in a logarithmic fashion. The two arms are identical to each other but rotated in the plane by 180 degrees. The arms also grow proportionally in width as they extend outward, but at any given distance from the center the width of both arms are equal to each other and, preferably, equal to the spaces between the arms. An impedance matching network receives the RF signal received by the dual spiral antenna and feed the RF signal to an electronic circuit that rectifies and multiplies the signal to form a DC signal that charges a capacitor. The electronics may be built onto the same substrate as the planar antenna, but preferably, the electronic circuit is built onto a second substrate is mounted, making appropriate electrical connections, to the antenna bearing substrate.

FIG. 6A

Self-compensating antennas for substrates having differing dielectric constant

An RFID tag or label includes a wireless communication system that is mounted in electrical proximity to the dielectric material. The wireless communication system includes a wireless communication device associated with an antenna system that has at least one conductive tab, including: a plurality of electrical components forming an impedance matching network, coupled to the conducting tab and wireless communication device, that electrically interact with the dielectric material to maintain a substantial impedance match between the antenna system and the wireless communication device; and/or a structural element forming a frequency selective by-pass trap circuit formed in the conducting tab, and electrically interacting with the dielectric material to maintain a substantial impedance match. The antenna system may be directly mounted on a dielectric substrate, which serves as the dielectric material, or alternatively may be mounted on a backing layer intermediate the dielectric substrate and the antenna system.

FIG. 11

Antenna system for radio frequency identification

An antenna including an electrically conductive portion defined substantially by a self-similar geometry present at multiple resolutions. The electrically conductive portion includes two or more angular bends and is configured to radiate broadband electromagnetic energy. The antenna further includes an electrically non-conductive portion that structurally supports the electrically conductive portion.

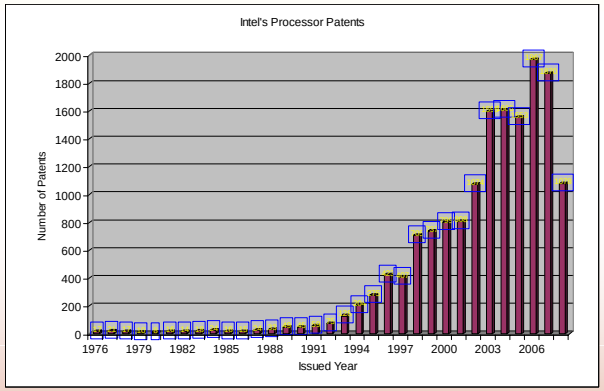
Tech. and Innovation

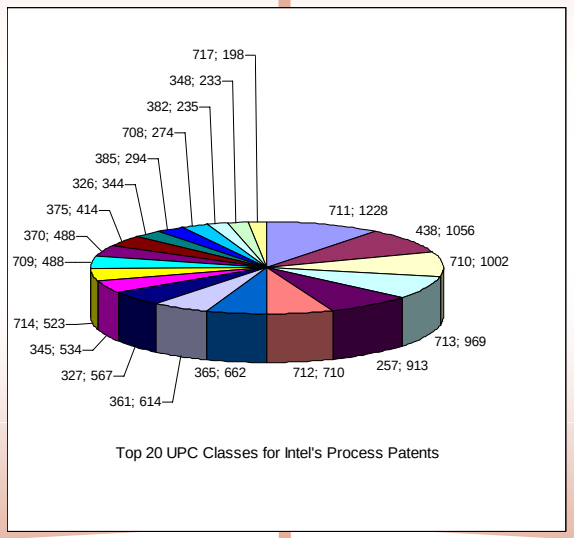
IF Enterprise™

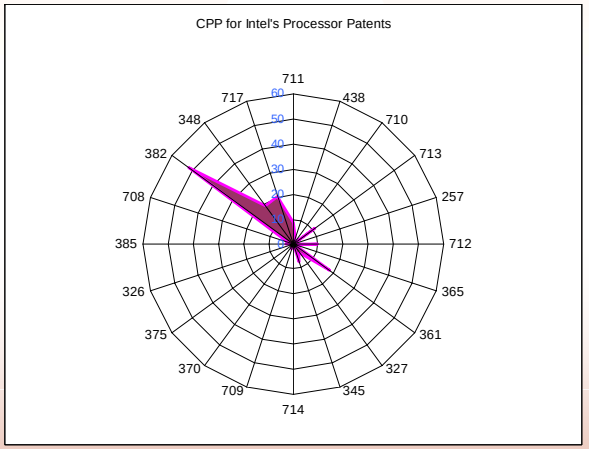
Tech & IP

IF Enterprise™ shows the technology innovations landscape for specific companies. In addition to all the contents in the IF Statistics™ and IF Analytics™, IF Enterprise™ can include analysis for a specially requested research by customers:

- Duo diligence & Strategy for the patent portfolio development







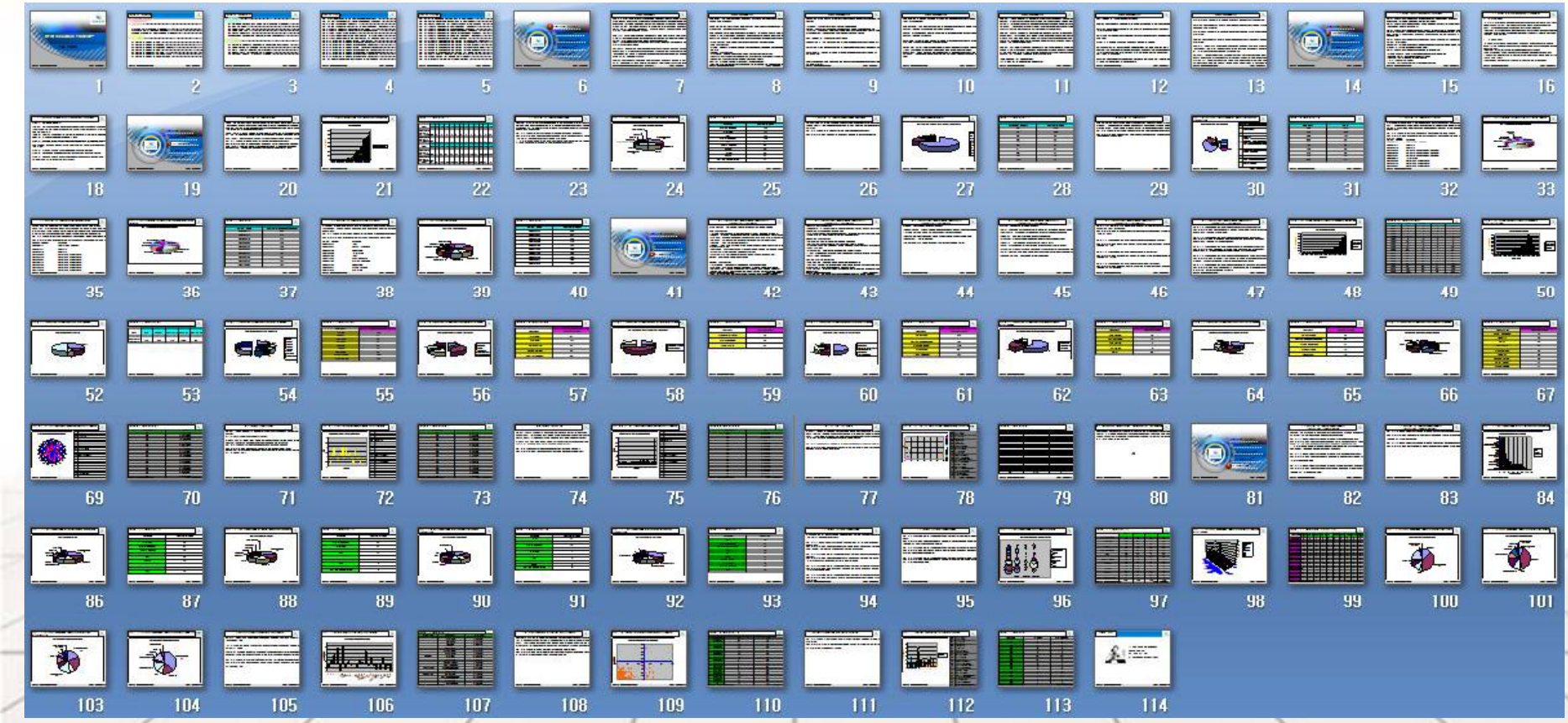
Intel's Processor Innovations

RFID Innovation Frontline™

RFID Innovation Frontline™ is a research report on the technology innovations landscape for Radio Frequency Identification (RFID).

RFID Innovation Frontline™ utilizes patent information to assess the state of the art for technology innovations in RFID.

RFID Innovation Frontline™ analyzes the utility patents issued in the United States (US) before January 1, 2009. Since the patent information are changed over time, this report only reflects the technology innovations landscape up to the time the analysis is conducted.



Thank you!

- If you have any questions please contact Dr. Alex G. Lee at alexglee@techipm.com