

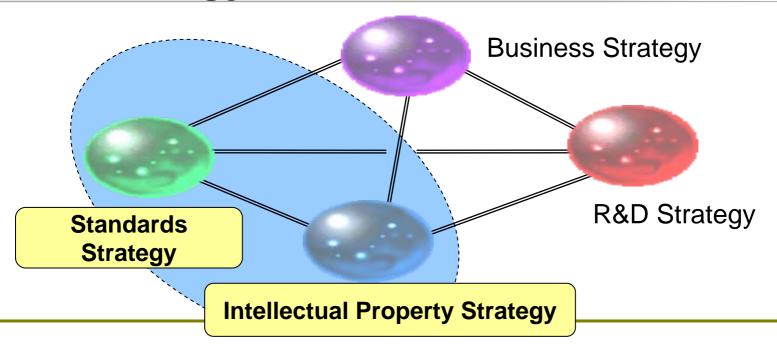
FY2007 Fujitsu Laboratories' R&D Strategy Briefing

Collaboration between R&D and Intellectual Property and Standardization Activities

April 13, 2007
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Tatsuji Igarashi, Standards Center
Law and Intellectual Property Unit, Fujitsu Limited

Link with Business Strategy and R&D Strategy



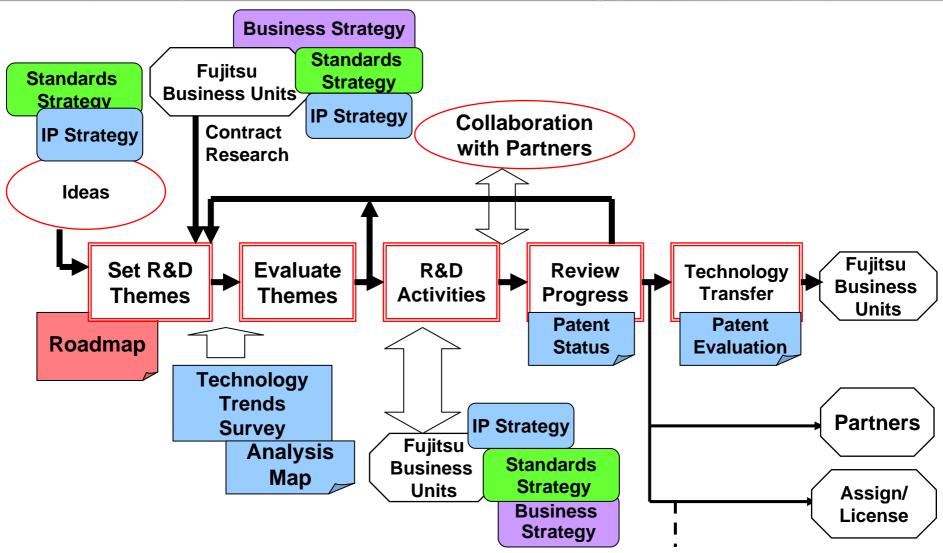


We are pursuing the following measures in order to support the promotion of business and R&D from the intellectual property standpoint:

- 1. Secure, maintain and utilize rights (patents, trademarks, industrial design and copyrights)
- 2. Undertake activities to ensure respect for rights, including those of competitors
- 3. Carry out through management of information, including trade secrets
- 4. Actively engage in external policy-making activities
- 5. Cultivate and maintain strategic human resources

R&D Activities and Intellectual Property/Standards Strategy





IP Strategy Planning through Investigation of Technology Trends



Interweave IP strategies through feasibility studies from the patent perspective

- (1) Investigation and analysis of generally recognized patent positions

 Determine business feasibility, strengths & weaknesses
- (2) Planning of IP strategies

Offensive

Develop internal technology development and patent acquisition plan; consider joint development and other possible collaborations with other companies

Defensive

Take early action to avoid infringement of patents held by competitors (early identification and management of patent risks)

It is important to consider business scenarios, roadmaps, market environments and standardization trends together.

Method for Investigating Technology Trends



Select Survey Theme



Search



Screening



Analysis



Strategy Consideration / Planning **Search Tool (Pasnet)**

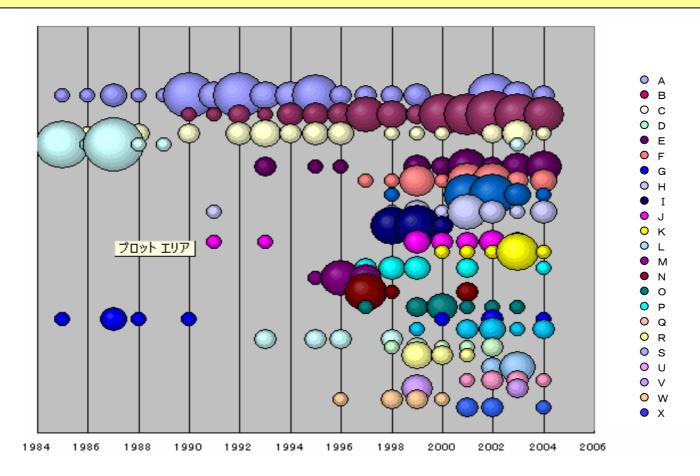
Analysis Tool* (ACCENT/CiteFinder)

* A technology information analysis support tool developed by Fujitsu Laboratories using text-mining technology. Enables more efficient search and analysis by visually presenting the relationships between patents and keywords in the form of a map or graph and other functions.

Analysis via ACCENT (1)



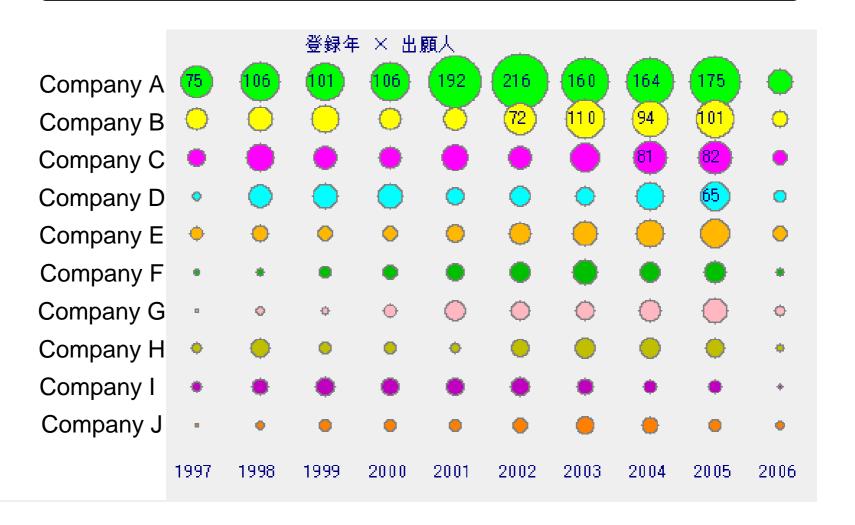
Grasp of market entrant companies and their relative position



Analysis via ACCENT (2)



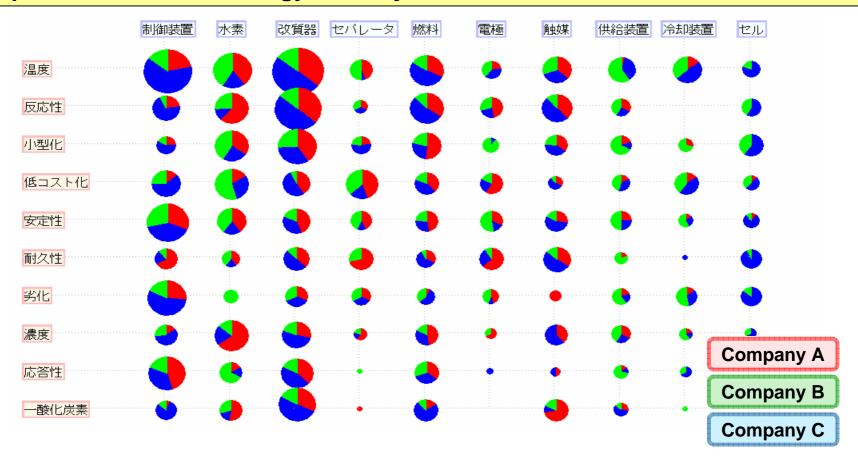
Grasp of patents held by companies to be cautious about



Analysis via ACCENT (3)



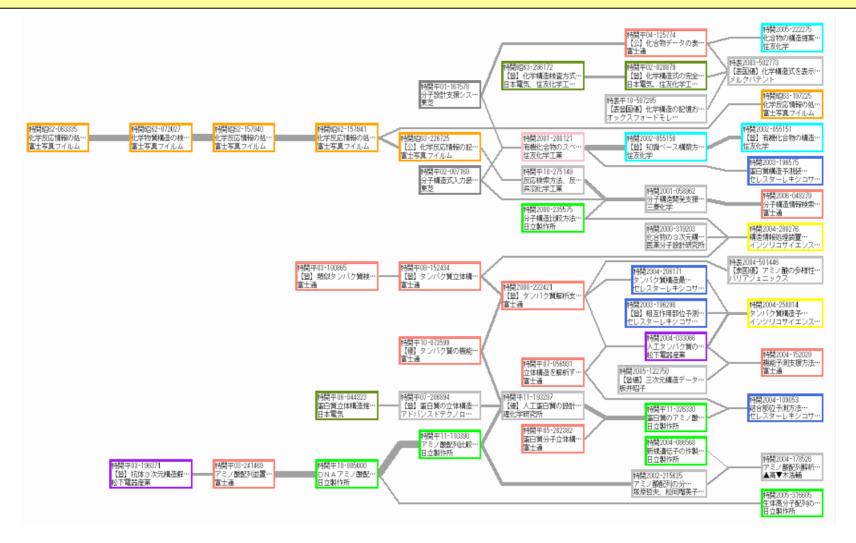
For use as a reference to analyze the strengths and weaknesses of companies based on patent issues and targets, focus on areas where competitors are not engaged in development, and seek cooperative relationships with companies in possession of technology that Fujitsu does not have



Analysis via ACCENT (



Grasp of basic patents and their links technology links through branch maps



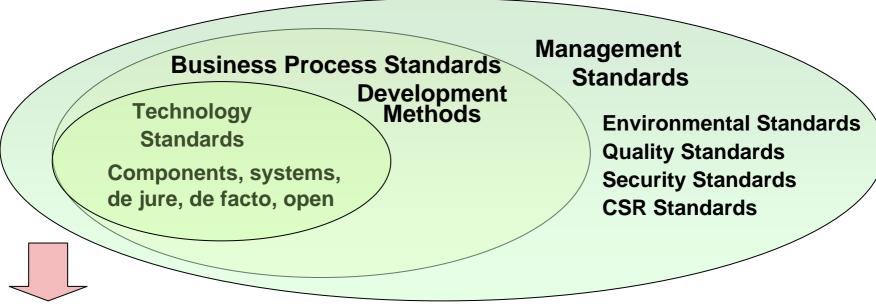


Standardization Activities

Expanding Standards Areas



Standards are covering broader areas and becoming more sophisticated



- Companies with good grasp of standards have market advantage
- For some industries, such as mobile communications, and some companies, standards strategy is equivalent to business strategy
- Economic growth in Asia (esp. China) as well as the West
 - A key factor in global competition

Promoting an appropriate strategy for the era of international standards

Standards Affect Business



Standards back up technology quality and revitalize business

10 reasons for pursuing standards in business

- Improve products and services
- Attract new customers
- Increase competitive edge
- Inspire added trust in your business
- Lesson the likelihood of mistakes Improve your chances of

- Reduce your business costs
- Make your products compatible
- Comply with regulations
- Make exporting your goods easier
- success

Source: Pamphlet from British Standards Institution



Fujitsu Involvement in International Standardization



Fujitsu has continuously served as a key member of international standards bodies ITU-T and ISO/IEC since international standardization started in the early 90's

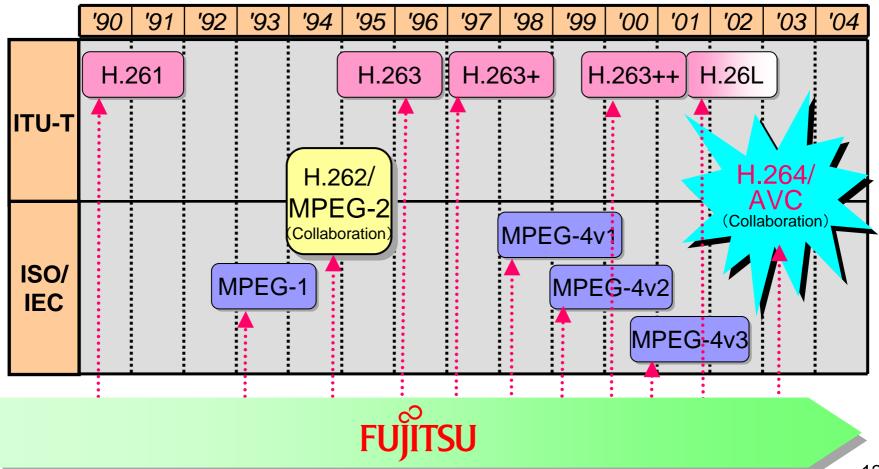
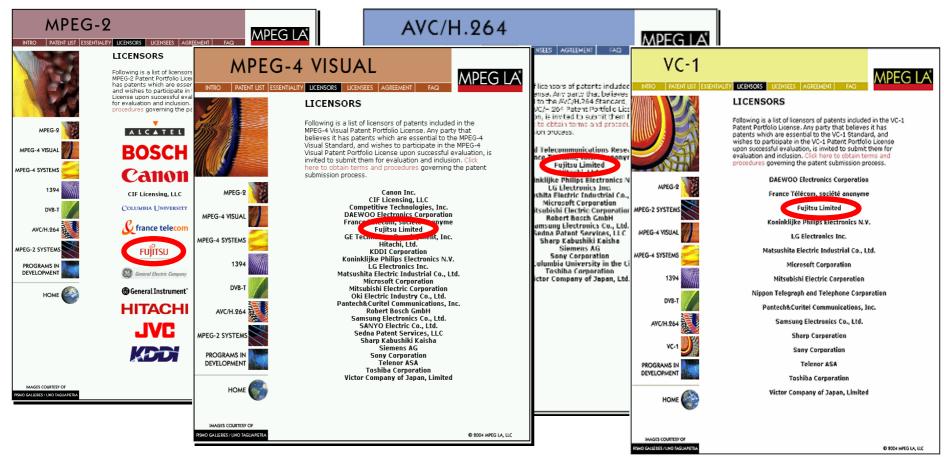


Image Processing

Fujitsu's Essential Patents for International Standards



Essential patents granted for MPEG-2/4, H.263, H.264, VC-1 (WMV) international image standards administered by MPEG-LA licensing body



Source: MPEG-LA homepage (http://www.mpegla.com/)

Global R&D Standardization Activities



Multihop relay IEEE 802.16j Standardization

Next Generation WiMAX IEEE 802.16m Standardization

2006 2008 2007 **Q1** Q2 **Q3 Q4 Q2 Q3 Q4** TG **Standardization** Proposal Draft Start Complete Invited #43 #44 #45 #46 #47 #48 #49 *#50* #51 TG Proposal Start Draft Invited Propose Contributing Creating **Technology Editor Paper**

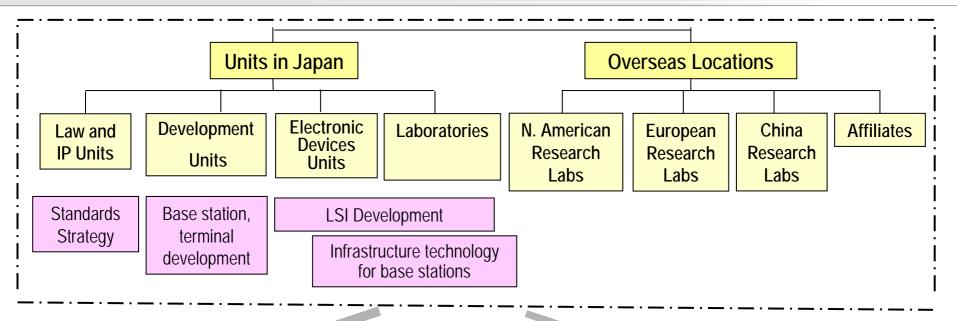
R&D

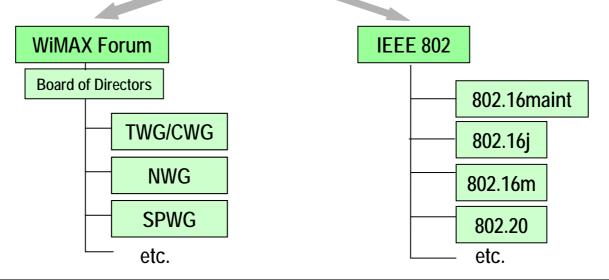
Fujitsu Laboratories Ltd., Overseas Laboratories (N. America, Europe, China), Overseas Affiliates (N. America)

WiMAX

Structure for Promoting Global Standardization



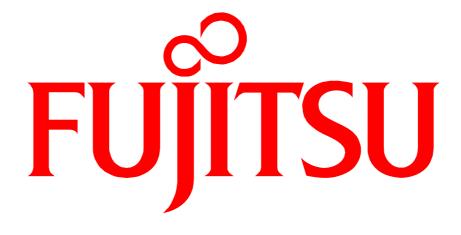




Cautionary Statement

These presentation materials and other information on our meeting may contain forward-looking statements that are based on management's current views and assumptions and involve known and unknown risks and uncertainties that could cause actual results, performance or events to differ materially from those expressed or implied in such statements. Words such as "anticipates," "believes," "expects," "estimates," "intends," "plans," "projects," and similar expressions which indicate future events and trends identify forward-looking statements. Actual results may differ materially from those projected or implied in the forward-looking statements due to, without limitation, the following factors:

- •general economic and market conditions in the major geographic markets for Fujitsu's services and products, which are the United States, EU, Japan and elsewhere in Asia, particularly as such conditions may effect customer spending;
- •rapid technological change, fluctuations in customer demand and intensifying price competition in the IT, telecommunications, and microelectronics markets in which Fujitsu competes;
- •Fujitsu's ability to dispose of non-core businesses and related assets through strategic alliances and sales on commercially reasonable terms, and the effect of realization of losses which may result from such transactions;
- •uncertainty as to Fujitsu's access to, or protection for, certain intellectual property rights;
- •uncertainty as to the performance of Fujitsu's strategic business partners;
- •declines in the market prices of Japanese and foreign equity securities held by Fujitsu which could cause Fujitsu to recognize significant losses in the value of its holdings and require Fujitsu to make significant additional contributions to its pension funds in order to make up shortfalls in minimum reserve requirements resulting from such declines;
- •poor operating results, inability to access financing on commercially reasonable terms, insolvency or bankruptcy of Fujitsu's customers, any of which factors could adversely affect or preclude these customers' ability to timely pay accounts receivables owed to Fujitsu; and
- •fluctuations in rates of exchange for the yen and other currencies in which Fujitsu makes significant sales or in which Fujitsu's assets and liabilities are denominated, particularly between the yen and the British pound and U.S. dollar, respectively.



THE POSSIBILITIES ARE INFINITE



Supplementary Materials (Patent Related Data)

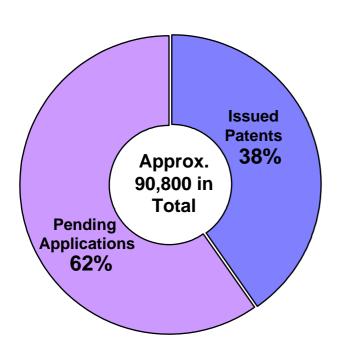
Please refer to the Intellectual Property Report for more detailed information concerning Fujitsu intellectual property strategy and related activities. The report can be found on the Fujitsu website and is scheduled to be updated in July 2007.

(http://www.fujitsu.com/global/about/ir/library/intellectualproperty/)

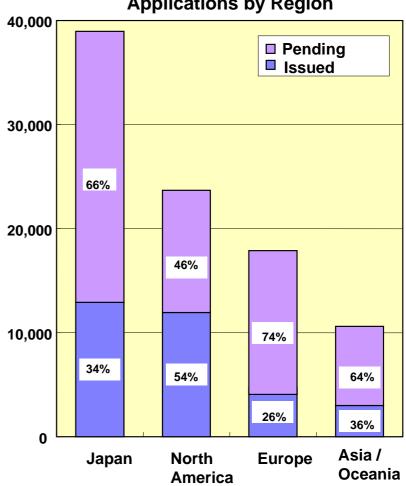
Global Patent Portfolio



Fujitsu Issued Patents & Pending Applications Worldwide



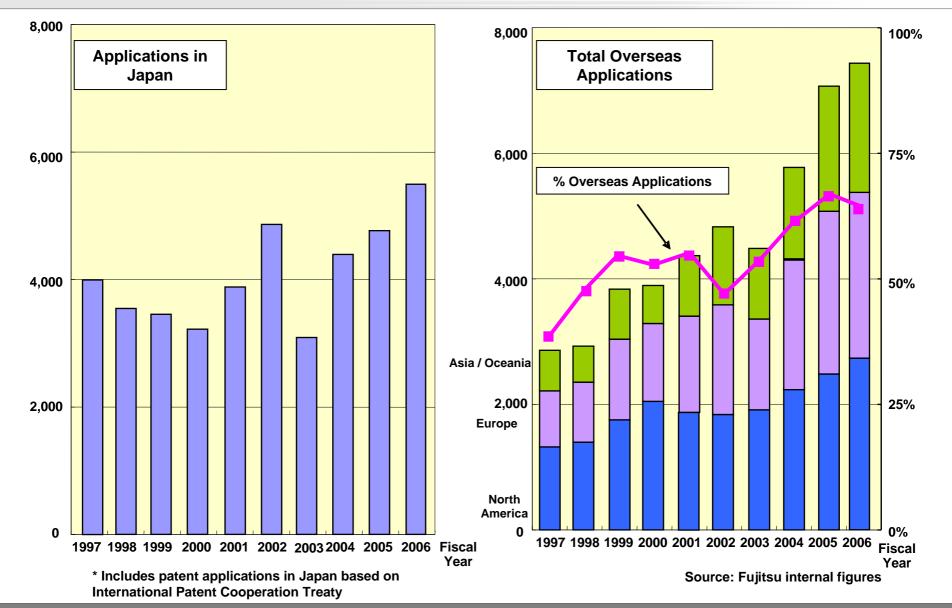
Issued Patents & Pending Applications by Region



As of March 31, 2007 Source: Fujitsu internal figures

Continuously Strengthening Overseas Applications Floring To Support Overseas Business –



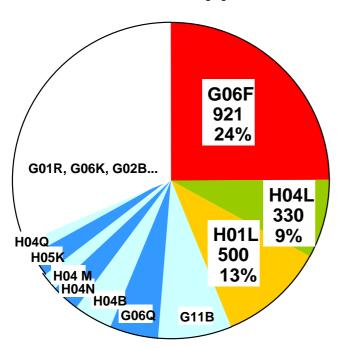


Patent Applications Aligned with Business FUITSU

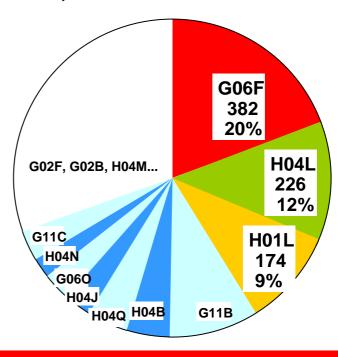


Breakdown of International Patent Classification (Jan. – Dec. 2006)

3,847 Published Applications



1,835 Issued Patents



G06F: Electric Digital Data Processing

H04L: Transmission of Digital Information, i. e. Digital Communications (networks)

H01L: Semiconductor Devices; Electric Solid State Devices Not Otherwise Provided For

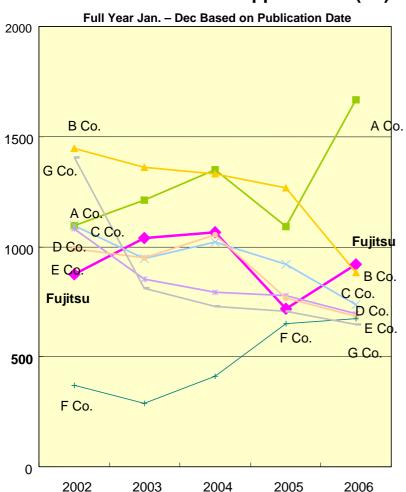
Source: Internal Survey Based on **Data from the Japan Patent Office**

^{*} Excludes patent applications in Japan based on **International Patent Cooperation Treaty**

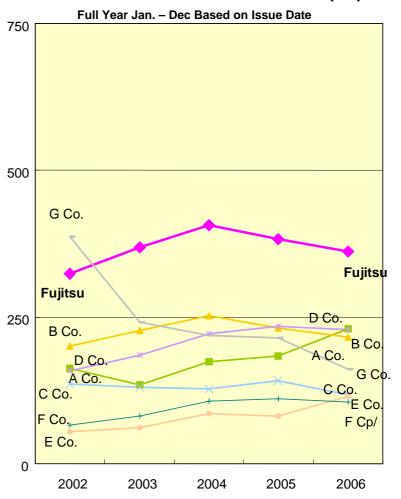
Patent Volume Trends 1 – G06F (Data Processing Related)







Trend of G06F Issued Patents (JP)



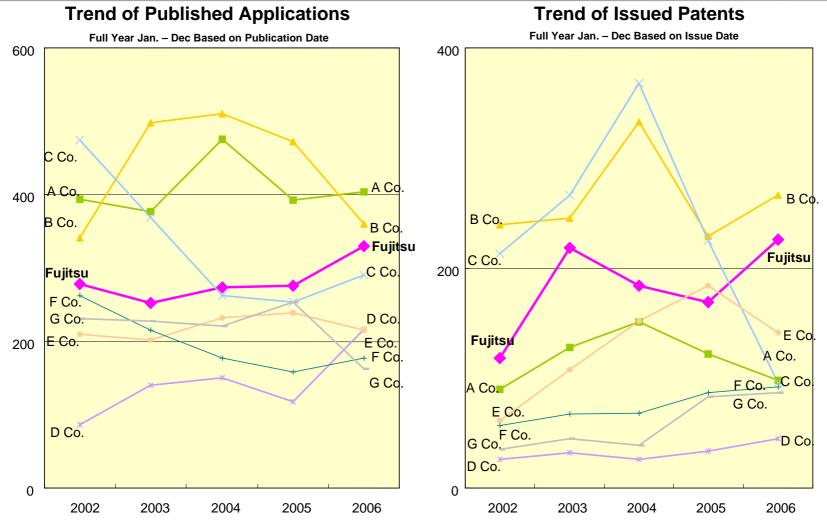
^{*} Comparison against top 7 companies for published applications (excluding Fujitsu)

G06F: Electric Digital Data Processing

Source: Internal Survey Based on Data from the Japan Patent Office

Patent Volume Trends 2 – H04L (Networking Related)





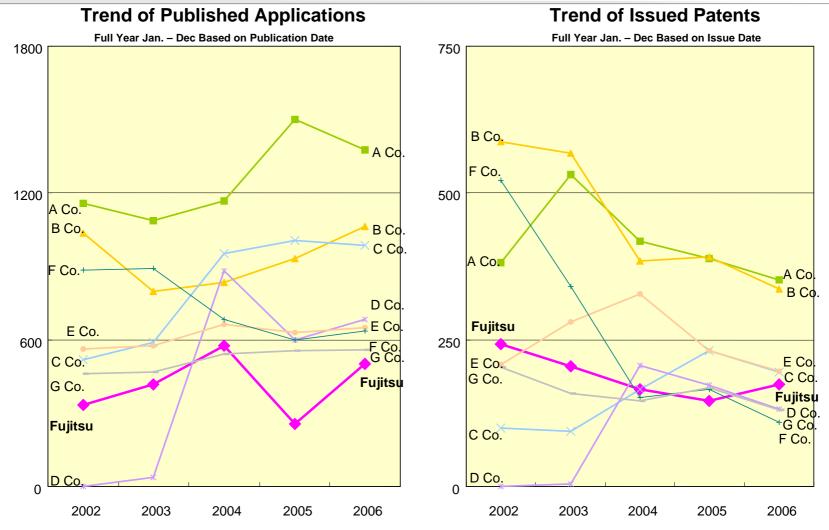
^{*} Comparison against top 7 companies for published applications (excluding Fujitsu)

H04L: Transmission of Digital Information

Source: Internal Survey Based on Data from the Japan Patent Office

Patent Volume Trends 3 - H01L (Electronic Devices Related)





^{*} Comparison against top 7 companies for published applications (excluding Fujitsu)

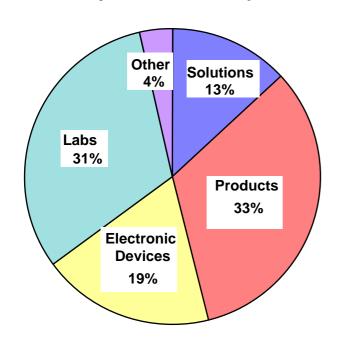
H04L: Transmission of Digital Information

Source: Internal Survey Based on Data from the Japan Patent Office

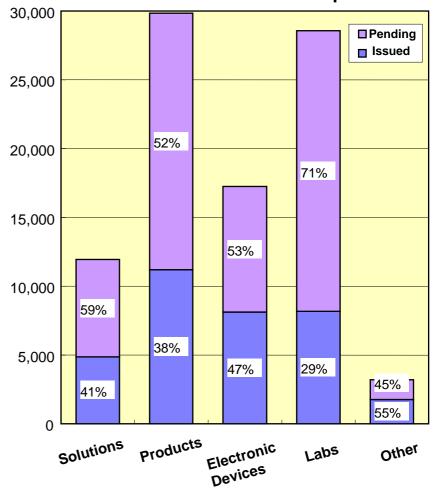
Fujitsu Patents by Business Group



Composition of Fujitsu
Pending Applications & Issued Patents
by Business Group



Ratio of Pending Applications / Issued Patents within Business Groups

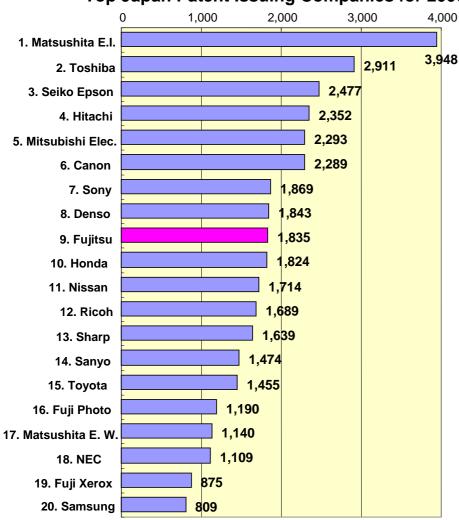


As of March 31, 2007 Source: Fujitsu internal figures

Position in Japan and the US

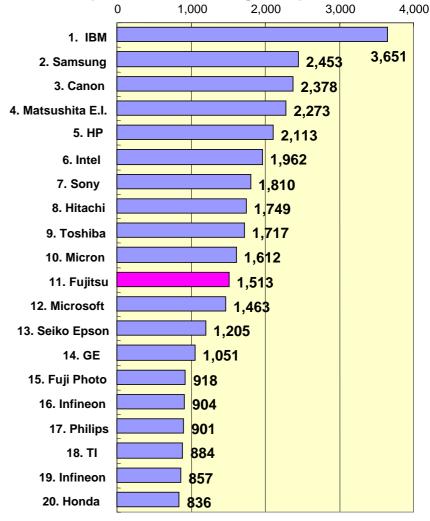






Based On Issue date
Source: Internal Research on Patent Data

Top US Patent Issuing Companies for 2006



Based On Issue date
Source: IFI CLAIMS Patent Services