



Section 4 R&D

1. Research in information communication industry

In FY2006, the total science and technology research funds (the sum of research funds for companies, non-profit organizations, public institutions, and universities) in Japan came to 18.4631 trillion yen.

Out of the R&D spending for companies (13.3274 trillion yen) which constitute the majority, research funds spending by the information and communications industry (4.633 trillion yen) accounted for 34.8%. The research funds for the information and communication equipment and tool industry make up the majority of research fund spending by the information and communications industry (**Graph 2-6**).

2. Technology trading

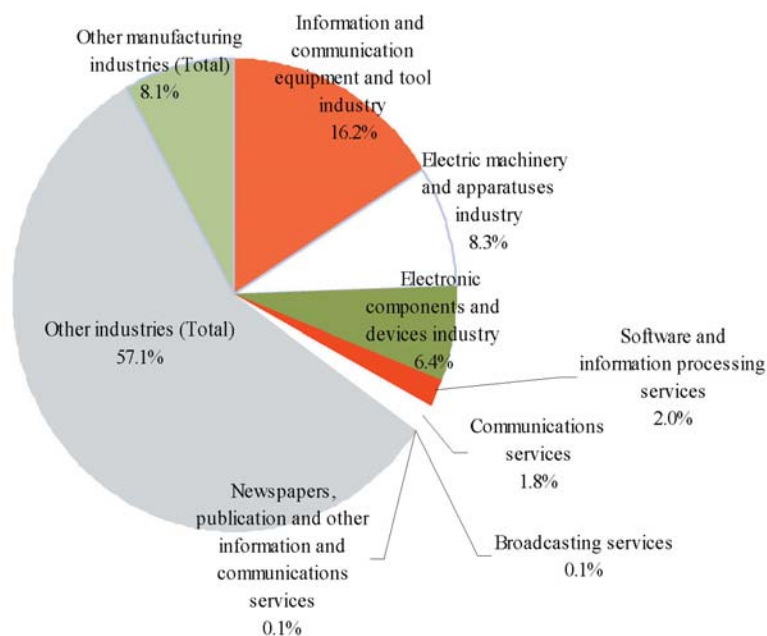
The breakdown of Japan's amount of technology trading (the amount of value received (or paid for) supply (export) of technology such as patents, know-

how or technical guidance to or from (import) foreign countries) in FY2006 was 2.3782 trillion yen (up 17.3% from the previous year) for the amount received for export of technology, out of which 18.6% of the total was for the information communication industry at 442.8 billion yen (up 22.4% from the previous year).

On the other hand, the amount paid for import of technology was 705.4 billion yen (up 0.2% from the previous year), out of which more than 60% (64.8%) of the total was for the information communication industry at 457.2 billion yen (up 8.9% from the previous year). Although there is surplus in exports for the total amount of technology trading, there is surplus of imports for the information communication industry.

For the information communication industry, the information and communication equipment and tool industry accounts for a large percentage for both amount of technology export and amount of technology import.

Fig. 2-6 Ratio of R&D spending for companies (FY2006)



* R&D spending in the information and communications technology industry refers to spending for the information and communication equipment and tool industry, electric machinery and apparatuses industry, electronic components and devices industry, and information and communications services (software and information processing services, communications services, broadcasting services, newspapers, publication and other information and communications services).

Based on "2007 Research Investigation Report on Science and Technology," MIC