

Research on the Role of Japan's Intellectual Property System in the Economy

It is important to overview the trends of patents, designs and trademarks by field based on patent information, analyze technological trends in specific technological fields of interest and compile information on Japan's current status, future prospects, strengths, and directions to be pursued, in order to efficiently conduct prompt and accurate examination and appeal procedures at the JPO. In addition, by making the research results available to the public, they can be used as basic information for formulating R&D strategies, patent strategies, design strategies and brand strategies for companies and as basic data for formulating industrial policies and science and technology policies for administrative agencies.

When analyzing technological trends from patent information, trends in the number of patent applications are of course an important factor, but it is also necessary to conduct a multifaceted and comprehensive analysis by taking into consideration policy trends, market trends, and the intellectual property strategies of major companies.

In other words, in order to comprehensively analyze technological trends (and trends in designs and trademarks) from patent information, it is necessary to understand the relationship between IP and corporate value, the relationship between corporate attributes and actions related to IP and innovation and competitiveness, the impact of inventors' actions on innovation, and the relationship between the IP system and examination procedures and innovation, competitiveness, economic activities, etc. In order to understand these issues, evidence-based analysis can be conducted to obtain persuasive conclusions and suggestions. It would also be beneficial to collect and investigate empirical analysis studies conducted in other countries.

Therefore, the purpose of this study is to empirically analyze the relationship between IP and innovation, competitiveness, etc. using statistical and econometric methods in order to link the analysis of trends in patents, designs, and trademarks to a comprehensive analysis of Japan's current situation and future prospects, and to develop convincing basic data.

This year, we conducted research on the following five themes.

1. Research on Determinants of Spillover Effects of Environment-Related Inventions
2. Analysis of the Relationship between IP Investment and Value Added, etc.
3. Research on the Conditions under Which Inventor Diversity is Effective
4. A Study on Improving the Tabulation Method for the Survey of Intellectual Property-Related Activities
5. Survey of Domestic and International Econometric Studies Related to Intellectual Property Systems