

Survey on the Effectiveness of the Analysis on the Possibility of Using Intellectual Property through the Use of Artificial Intelligence

In order to make small and medium-sized enterprises (SMEs) aware of the possibility of utilizing their own intellectual property, this study investigated the possibility of using AI which has been making rapid technological progress in recent years. Specifically, we surveyed public information related to natural language processing by AI, selected an appropriate natural language processing model for the analysis model based on the survey, and constructed an interface that displays output information on the possibility of using the technology owned by the SMEs in a form that is easy for users to understand, using the natural sentences related to the technology as input information. In addition, with the cooperation of SMEs, we held workshops to examine ideas for utilizing their IP based on the output information from the analysis model, and conducted interviews with SME supporters and financial institutions to examine whether the output information from the analysis model is useful for supporting SMEs. In addition, an expert committee consisting of experts in IP utilization such as IP business matching, experts in patent information utilization, and experts in innovation creation methods such as design thinking was established and held discussions three times.