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企业专利管理与技术创新绩效耦合测度模型及评价指标研究

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The assessment model and evaluation indicators for the linkage between patent management and technological innovation performance in enterprises

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摘要

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摘要 开放式创新环境下企业专利管理与技术创新绩效之间彼此关联相互耦合。本文首先分析了体现二者之间耦合关系的主要因素,开发了衡量二者之间耦合效果的指标体系,然后运用层次分析法(AHP)构建了测度二者之间耦合效果的评估模型,并结合我国企业的现状对指标体系的权重进行了测度分析。结果表明企业的商业转化能力和开放式创新能力对二者之间耦合效果的影响十分显著,而资源配置能力和成果保护能力仍有待提升。本研究为我国企业在开放式创新环境下有针对性地加强专利管理与技术创新绩效之间的耦合、增强核心竞争力提供理论指导与方法借鉴。

关键词: 技术创新绩效 专利管理 关联耦合 测度模型 AHP

Abstract: Under the circumstance of open innovation, an interrelated and mutually linkage exists between patent management and technological innovation performance in enterprises. First, the main linkage factors between patent management and technological innovation performance are analyzed, and then the indicators which affect the linkage factors are developed. Second, the assessment model is constructed to measure the linkage effect based on AHP. The results show that the commercialization ability and open innovation ability of the enterprises have the manifest strong impact on the linkage effect. In the meanwhile, the resource allocation ability and achievement protection ability of domestic enterprises need to be enhanced. These findings could provide a theoretical and methodical support to strengthen the linkage between patent management and technological innovation performance and also enhance the core competitiveness of the enterprises under the background of open innovation.

Keywords: technological innovation performance patent management linkage assessment model AHP

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