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海峡两岸纳米技术专利比较及其产业发展对策

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Comparison on nano-patent of both sides of the Taiwan Strait andtheir industry development strategy

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摘要 本文就海峡两岸德温特专利数据库中的纳米专利数据,从时间、专利权人、分类代码和学科类别方面对两岸的纳米专利进行了统计分析比较;之后,结合时间轴上的专利手工代码共现网络,从频数、中介中心度的角度量化了两岸纳米专利研究的侧重点。进而从两岸技术演进的角度初步剖析了二者发展的差异,并就时下两岸发展的研究前沿进行了论证。最后,结合两岸的发展状况,提出了从四个方面完善两岸纳米产业发展的建议。

关键词： 专利定量分析　纳米专利　专利手工代码共现　发展对策

Abstract： First, the nano-patent of both sides of the Taiwan Strait is retrieved with subject term search in Derwent Innovation Index (DII), and then a comparison from the distribution of time, assignee, class code, and subject category is made. After that, through Derwent manual code co-occurrence analysis on the time zone, the special emphasis of Taiwan and Mainland China is distinguished with the indicators of manual codes' frequency and centrality. Furthermore, in the perspective of technology evolution, the development divergence is described and the lately research front of both sides of the Taiwan Strait is revealed by empirical research, in which Taiwan's focus is touch screen (t04-f02a2) and Mainland China's concern is oxyethylene co-polymers (a05-h03). At last, four countermeasures are indicated from the standpoint of long term collaboration.

Keywords： patentometrics　nano-patent　patent manual code co-occurrence development strategy

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