太阳能技术的合作专利分析及对策

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中文摘要:低碳经济已经成为国际经济发展的新要求，因此，低碳技术开发日益受到世界各国的重视。太阳能技术是一种典型的低碳技术，我国经过 10 几年的发展，在太阳能领域取得了举世瞩目的成就，但因缺乏核心技术，目前面临着严峻的挑战。由于专利分析能客观地评价技术创新与合作水平，因此，为更好地促进我国太阳能技术的发展，基于专利分析法，对我国太阳能合作专利数据进行了分析。结果表明：我国太阳能技术的跨机构技术联系较少，“产学研”创新体系尚不成熟；政策扶持对于太阳能这种新兴低碳技术有较大的影响力；国内太阳能专利授权的技术领域主要集中在太阳能热利用，而在光伏领域的合作较少；太阳能合作专利存在较大的区域差异，应该进一步加强区域之间的技术合作和技术转移；应该加强国际技术合作。

中文关键词:太阳能技术；低碳技术；专利情报分析；技术创新与合作

Analysis on Patent Cooperation in Chinese Solar Technology

Abstract:Solar technology is a typical low-carbon technology. After many years of development, China has made great achievements in solar technology. But China is still confronted with grave challenges due to the lack of core technology. Considering that the technology innovation and cooperation level can be evaluated by patent analysis, this paper, analyzes the data of patent cooperation of solar technology in China based on the method of patent analysis. The conclusions are: there are few technical connection in solar technology among institutions in China, which means the mature innovation system among industry, universities and research institutions has not been established; the policy support has great impact on the emerging low-carbon technologies including solar technology;the patent authorization in solar technology in China mainly concentrates in solar thermal industry with less cooperation in solar photovoltaic industry; regional differences of solar patent cooperation are still obvious, and we should strengthen the technology cooperation and technology transfer; in order to promote the development of domestic solar technology, we should encourage the international communication and cooperation in solar industry.

keywords:solar technology; low-carbon technology; patent information analysis; technology innovation and cooperation

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