

# Solar Energy Patent Technology Transfer Agreement

How often does technology transfer a patent?

Overall, the average technology transferred doubled to about 1 patent every 2.5 years. Technology transfer was higher in the group of OECD countries but much lower in the non-OECD group. Compared to the earlier period, non-OECD countries received 1/6 of the patents registered internationally.

What is a patent-based measure of Technology Transfer?

A very important methodological contribution of the paper is the justification and use of a patent-based measure of technology transfer, which measures both the precise technologies transferred and a count of many technologies that were transferred.

Does expanded patent coverage lead to greater technology trade post TRIPS?

Expanded coverage and extended patent terms can and did give rise to greater technology trade post TRIPS, as shown by Kanwar (2012). In contrast, de facto IPR indices, such as the Patent Enforcement Index developed by Papageorgiadis and Sofka (2020), are concerned with capturing the transactions costs associated with upholding a patent.

Does the stringency of climate policies affect foreign patents?

Nevertheless, the results of this alternative estimation suggest that the stringency of climate policies in the host countries is positively associated with the incoming flow of foreign patents.

Does IPR affect technology transfer?

As we noted in the discussion of the DGM (2013) model, the comparative statics leave the effect of IPR on technology transfer ambiguous. A positive effect emerges only if the  $p_T < p_I$  and the patent intensity of FDI is higher than that of trade.

Do de jure and de facto IPRs influence technology transfer?

De jure and de facto IPRs also play different roles in inducing technology transfer in the two groups of countries. As we noted in the discussion of the DGM (2013) model, the comparative statics leave the effect of IPR on technology transfer ambiguous.

One of the keys to a successful outcome from this intensified effort is to identify the challenges associated with the transfer of both intellectual property and technology rights in the renewable energy sector within the EU. ...

Patent systems exist to encourage innovation by providing a government-granted monopoly in return for public disclosure of new inventions. Thus, analysis of published patent data can provide a useful indicator of research and development activity in any field of technology. An analysis of solar energy inventions reveals

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some interesting trends.

APCTT Asia and Pacific Centre for Transfer of Technology GI Geographical Indications IP Intellectual Property IPR Intellectual Property Rights JV Joint Venture JVA Joint venture agreement PV Photovoltaic RERI Renewable Energy Research Institute RETs Renewable Energy Technologies R& D Research and Development SPV Solar Photo-voltaic

This study examines the Kyoto Protocol's impact on the international diffusion of renewable energy technologies including solar and wind energy. Using patent application data ...

developed countries, patents act as a catalyst for the transfer of technologies and must be promoted internationally to facilitate trade among states. In their view, the TRIPS Agreement is a tool for

opment and deployment - a role that is not well understood. This paper sets out to explain the use of patents in renewable energy innovation, assess their status, and make suggest. on. ...

Changzhou, China, February 17, 2023 - Trina Solar, a leading global PV and smart energy total solution provider, and Hanwha Solutions, a parent company of complete clean energy solution provider Qcells, today announced they have reached a patent licensing and transfer agreement to each other, over their intellectual properties.

Clean energy technology patents have increased, with nearly half of applications in solar energy. When mapping innovations across the Sustainable Development Goals (SDGs), SDG 7 Affordable and Clean Energy shows an upward trend in patent activity - slightly stronger compared to most other SDGs. When considering factors such as innovation ...

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