MARKET INFRASTRUCTURE

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STUDY OF THE WORLD TECHNOLOGY MARKET ON THE BASIS OF PATENT STATISTICS: UKRAINE IN GLOBAL PATENT SPACE

The article represents the research results for basic trends in the world technology market development, which were obtained on the basis of the patent statistics data of World Intellectual Property Organization. The procedure of international patent acquisition in compliance with Patent Cooperation Treaty is described.

The level of technology development in Ukraine has been evaluated as well as the level of its participation in global patent space. The evaluation was carried out on the basis of qualitative and quantitative indices of Ukraine's foreign patent activity compared to leading countries. The following evaluation indices were analysed: the number of international applications according to countries of applications origin; applications distribution according to types of contenders for an international patent; technological areas of the highest patent activity, technological priorities of leading countries and Ukraine.

The following conclusions were drawn from the research:

1. The attractiveness of PCT procedure as a preferred way of applying for international patents has risen by 6 times in recent 20 years.

2. The centre of the world patent activity is shifting to Asian countries, which are becoming more active in this process. It should be noted that China is an unconditional leader in the dynamics of capturing the share of the world patent space (+47 times).

3. The largest part of patent applications comes from business (>80%), mostly from large business, due to the fact that its research departments capture the niches of the world market in advance.

4. Leading technology domains in the world are currently computer technology, digital communication, electrical machinery (it made up 24% of patent applications in 2015).

5. Emphasizing the overall positive dynamics in the process of applying for patents by Ukraine (+66%), it should be noted that there is still only a small number of patent applications (on average 155 per year) and they are mostly on low-technology developments, which causes the fact that Ukraine cannot even apply for being a rightful participant of the world technology market, let alone being an independent subject of global economy.

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