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Innovative development of the US processing industry: regional aspect

Abstract. Regional features of the innovation process aimed at improving the manufacturability of the manufacturing industry in the United States determine the development of spatial forms (combinations) of industrial and technological interactions in the economy of the states of the country, different in terms of the level of scientific and industrial integration. Our goal is to identify trends in the regional development of industrial innovation in the high-tech industry of the US states that emerged in 2015-2019 in a new technological order. The methodological basis of the study is formed by the techniques of the statistical and economic method, the application of which is aimed at using the typological approach, expressed in the grouping of the US states by the combination of the levels of development of the manufacturing industry and scientific and industrial integration. The result of the study was a spatial grouping of the states of the country, justified by a combination of relative statistical indicators reflecting the named levels of innovative development of production, characteristic of each of the states under study. On the basis of the selected groups of US states, trends in the regional innovative development of the country's manufacturing industry have been identified, which have spatial («center-peripheral») features associated with structural differences in the combination of industrial production and high technologies.

Keywords: regional innovation activity, US manufacturing industry, scientific and industrial integration, high-tech industrial products, regional innovation system (RIS).

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