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Problems of development of electrochemical production of Russia and possibility of their decision

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Abstract

© Published under licence by IOP Publishing Ltd. The relevance of the study of the current state of electrochemical production is that electrochemistry every year is becoming increasingly important in the domestic industry. The development of electrochemical methods of processing leads to an increase in both the processing capacity and the achievement of new technical effects, significantly increasing the strength, durability and other performance parameters of the parts.

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References

- [1] Klimovich K P and Odintsovo M A 2014 Problems and prospects of development of the machine-building complex of Russia in the o f market economy Economic magazine Mode o f http://cyberleninka.ru/article/n/problemy-i-perspektivy-razvitiya-mashinostroitelnogo-kompleksa-rossii-v-usloviyah-rynochnoy-ekonomiki Date: 03.10.2017 - ref-separator -
- [2] Temerlin D D and Gavrilov S V 2014 With Application of electrochemical processes in food industry Bulletin of the Kazan technological University No 23 Mode of access: https://cyberleninka.ru/article/n/primenenie-elektrohimicheskih-protsessov-v-pischvoy-promyshlennosti Date: 20.11.2017 - ref-separator -
- [3] Khafizov II 2013 Precast electrode tool for electro-lubricating cutting Innovative engineering technology, equipment and materials 114-
- [4] 2016 Electrochemical machines and electrochemical processing [Electronic resource] Investment research and technological platform second industrialization of Russia" Mode of access: http://xn - 80aaafltebbc3auk2aepkhr3ewjpa.xn - p1ai/elektrohimicheskie-stanki/" Date: 22.12.2017 - ref-separator -
- [5] Mukhanov I V 2015 Modernization of mechanical engineering of Russia in the conditions of economic sanctions: problems and solutions The Economic journal Mode o f http://cyberleninka.ru/article/n/modernizatsiya-mashinostroeniya-rossii-v-usloviyah-ekonomicheskih-sanktsiy-problemy-i-puti-resheniya Date: 13.01.2018 - ref-separator -
- [6] Nurullin I G and Khafizov I I 2016 Modern technologies: topical issues, achievements and innovations: collection of articles of the winners of the IV international. science.- practical Conf. (Penza: ICSU "Science and education») The impact of innovation implementation and certification on the company's activities and reputation 44-6
- [7] Zadornova N A 2013 Innovative technologies in mechanical engineering Izvestiya MGTU No 1 Mode of access: http://cyberleninka.ru/article/n/innovatsionnye-tehnologii-v-mashinostroenii-1 Date: 15.02.2018 - ref-separator -
- [8] 2016 Prospects of electrochemistry [Electronic resource] Journal "Electricity in the world of chemistry" (Moscow) Mode of access: http://electrohistory.ru/perspektivy-elektroximii/ Date:22.03.2018 - ref-separator
- [9] Akhmetov I D, Zakirova A R, Sadykov Z B and Khafizov I I 2017 New electrode-tool for the combined kerf of electrically conductive materials IOP Conference Series: Materials Science and Engineering 240 012003
- [10] Khafizov I I and Galimov A N 2017 IT-strategy and major aspects of quality management on the market of goods and services IOP Conference Series: Materials Science and Engineering 240 012038
- [11] Khafizov I I, Saveleva T N and Lyubtsov V S 2017 Estimation of parameters of charge carriers in dielectric materials by CELIV method IOP Conference Series: Materials Science and Engineering 240 012040
- [12] Khafizov I I and Nurullin I G 2017 Product quality as the main factor of increase of competitiveness (on the example of JSC «Kazan helicopter plant») IOP Conference Series: Materials Science and Engineering 240 012039
- [13] Gil'manshin I R and Kashapov N F 2014 Energy service contracts in regional engineering center for small and medium businesses IOP Conference Series: Materials Science and Engineering
- [14] Khafizov I I 2017 Ways of decrease in the material consumption in case of their separation by the combined methods IOP Conference Series: Materials Science and Engineering 240 012037

- [15] Khafizov I I 2016 Economic efficiency and effectiveness of ways of separating materials electro diamond processing IOP Conference Series: Materials Science and Engineering 134 012014
- [16] Khafizov I I 2015 Processing methods with imposing of electric field at low- waste division of materials IOP Conf. Series: Materials Science and Engineering 86 012013