

Technical procedure features of nickel dry-powder developer manufacturing by method of plasma-electrolytic dispergating

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Abstract

© Published under licence by IOP Publishing Ltd. The following work describes means of nickel dry-powder developer manufacturing by plasma-electrolytic dispergating. For that purpose, a plasma-electrothermic device was developed that allows to manufacture dry-powders with wide range of parameters. Technical conditions for nickel dry-powder developer manufacturing by method of plasma-electrolytic dispergating were defined. By factorial design method regression equations were obtained, that make it possible to plan the process of dry-powders manufacturing with set average particle size and set manufacturing process rate. The described means allows to manufacture nicol dry-powder developer with a particle size of aprox. 100 nm.

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