

Title (en)
METHOD AND DEVICE FOR PROCESSING OF ARTICLES.

Title (de)
VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN VON TEILEN.

Title (fr)
PROCEDE ET DISPOSITIF DE TRAITEMENT D'ARTICLES.

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EP 0565726 A4 19950712 (EN)

Application
EP 92917867 A 19920722

Priority
SU 5000066 A 19910723

Abstract (en)
[origin: WO9301894A1] The invention relates to combined methods of processing metal and alloy articles as well as to devices for implementation of these methods. A method for processing articles comprises evacuation of the space between the article (7) and electrodes (3-6) or feeding a working medium between them, as well as generation of an electric discharge in said space. Immediately after the treatment of the article (7) by electric discharge, the article is subjected, additionally, to plastic working, the vacuum or the working medium being maintained in the working zone. Plastic working is effected by rolling, drawing or spinning. A device for implementing the method comprises a chamber (1), an evacuation system (2), electrodes (3-6) located inside the chamber (1) and a power source (8), one output of which is connected to the electrodes (3-6) and the other one to the current leads (9, 10) of the article (7) to be processed. The device further comprises a working organ, for example rollers (13, 14) intended for plastic working of the material of the article and located inside the chamber (1) after the electrodes (3-6) along the technological path, as well as a means for relative movement of the article (7) and the working organ (13, 14). The working organ (13, 14) may, at the same time, serve as the current lead of the article (7) and as an element of the vacuum lock system. The invention can be used in the engineering industry and in metallurgy for finishing or intermediate processing of rolled steel, wire, pipes and other articles, as well as for application of coatings and obtaining multilayer materials.

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• [X] PATENT ABSTRACTS OF JAPAN vol. 6, no. 130 (M - 143) 16 July 1982 (1982-07-16) & DATABASE WPI Week 8219, Derwent World Patents Index; AN 82-38268
• [A] SOVIET INVENTIONS ILLUSTRATED Week 8350, 1 February 1984 Derwent World Patents Index; AN 83-843632
• See references of WO 9301894A1

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