

Title (en)

PROCESS FOR THE SIMULTANEOUS ELECTROPLATING AND MECHANICAL HONING OF SURFACES OF A WORKPIECE MADE OF LIGHT METAL

Publication

**EP 0017139 B1 19830119 (DE)**

Application

**EP 80101569 A 19800325**

Priority

DE 2911979 A 19790327

Abstract (en)

[origin: US4274925A] A method for electroplating and mechanically honing surfaces of a light-alloy workpiece is provided comprising placing the workpiece within a honing machine having honing stones and an electrolytic circuit including an electrolyte, applying to said workpiece a first coating by electrolytic deposition within said electrolyte with the honing stones disengaged from said surfaces, and effecting simultaneous honing and electrolytic deposition of a second coating by means of said electrolyte. In this manner the deposition of the necessary basic coating is combined with the procedural step of the simultaneous electroplating and mechanical honing in such a way that the basic coating is deposited in the hone-forming machine itself and with the same electrolytic fluid, so that there is no need for a preliminary plating in an additional unit that is separate from the hone-forming machine.

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