

Title (en)

PROCESS FOR PROTECTING A PART MADE OF AN ALUMINUM-BASED ALLOY CONTAINING COPPER

Title (de)

VERFAHREN ZUM SCHUTZ EINES TEILS AUS EINER ALUMINIUMBASIERTEN LEGIERUNG MIT KUPFER

Title (fr)

PROCEDE DE PROTECTION D'UNE PIECE EN ALLIAGE A BASE D'ALUMINIUM CONTENANT DU CUIVRE

Publication

EP 4256106 A1 20231011 (FR)

Application

EP 21848166 A 20211202

Priority

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- FR 2021052191 W 20211202

Abstract (en)

[origin: WO2022117970A1] The invention relates to a process (100) for protecting a part comprising an aluminum-based alloy having a copper content of greater than or equal to 0.5% by mass, the process comprising the depositing (102) of a non-conductive protective layer over the entire part, the laser stripping (104) by means of a laser beam of an area of the non-conductive protective layer so as to form an unprotected area, the chemical conversion (106), with trivalent chromium, of the unprotected area so as to form a conductive protective layer, and the drying (108) of the part.

IPC 8 full level

C23C 22/56 (2006.01); **C23C 22/73** (2006.01); **C25D 11/08** (2006.01); **C25D 11/18** (2006.01); **C25D 13/22** (2006.01)

CPC (source: EP IL US)

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Citation (search report)

See references of WO 2022117970A1

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