

Title (en)
ALLOY SUBSTRATE WITH EXTERIOR COAT

Title (de)
LEGIERUNGSSUBSTRAT MIT AUSSENBESCHICHTUNG

Title (fr)
SUBSTRAT EN ALLIAGE À REVÊTEMENT EXTÉRIEUR

Publication
EP 3478873 A1 20190508 (EN)

Application
EP 16918429 A 20161005

Priority
US 2016055598 W 20161005

Abstract (en)
[origin: WO2018067148A1] Examples relating to coating an alloy substrate are described. For example, techniques for treating a surface of the alloy substrate for coating the alloy substrate with an exterior coat include providing an alloy substrate of a die-casted metal alloy, the alloy substrate having a surface with multiple pores, and applying an electrically conductive layer on the surface of the alloy substrate. The electrically conductive surface is composed of metal particles and electrically conductive polymers, and the electrically conductive layer is applied such that the metal particles fill the multiple pores on the surface of the alloy substrate. Thereafter, an oxidation process is performed on the surface to form an oxidation layer over the surface. The oxidation layer provides for adhesion of the surface with the exterior coat.

IPC 8 full level
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