

Title (en)
ALUMINUM ALLOY MATERIAL AND METHOD FOR MANUFACTURING SAME

Title (de)
ALUMINIUMLEGIERUNGSPLATTE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
MATÉRIAU D'ALLIAGE D'ALUMINIUM ET SON PROCÉDÉ DE FABRICATION

Publication
EP 4036274 A1 20220803 (EN)

Application
EP 20868265 A 20200924

Priority
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Abstract (en)
An aluminum alloy material having a base material formed from an aluminum alloy, and a chemical treatment film on the surface of the base material, wherein, in a cathode polarization curve obtained by measuring the aluminum alloy material at a sweeping speed of 20 mV/min by using a saturated KCl silver-silver chloride electrode as a reference electrode in a 5 wt% NaCl static aqueous solution at a temperature of 25°C and a pH of 5.5, the electrode potential at which the absolute value of the current density reaches $10 \mu\text{A}/\text{cm}^2$ is -1350 to -1150 mV.

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