

Title (en)
ELECTROLYTIC PROCESSING OF METALLIC SUBSTRATES

Title (de)
ELEKTROLYTISCHE VERARBEITUNG VON METALLISCHEN SUBSTRATEN

Title (fr)
TRAITEMENT ÉLECTROLYTIQUE DE SUBSTRATS MÉTALLIQUES

Publication
EP 4118258 A1 20230118 (EN)

Application
EP 21715723 A 20210311

Priority
• US 202062988857 P 20200312
• US 2021021813 W 20210311

Abstract (en)
[origin: WO2021183713A1] Provided herein are methods and systems for electrolytic processing of metallic substrates, such as aluminum alloys. The disclosure provides methods of making an anodized substrate by anodizing a metallic substrate in an electrolyte solution comprising phosphoric acid. In particular, the disclosure describes various conditions for anodizing the metallic substrate, including temperature, acid concentration, and voltage. The disclosure also provides systems for carrying out described methods.

IPC 8 full level
C25D 11/04 (2006.01); **C25D 11/08** (2006.01)

CPC (source: EP KR US)
C25D 11/005 (2013.01 - KR US); **C25D 11/04** (2013.01 - EP); **C25D 11/08** (2013.01 - EP KR US); **C25D 11/16** (2013.01 - KR); **C25D 11/18** (2013.01 - KR US); **C25D 17/06** (2013.01 - US); **C25D 17/10** (2013.01 - US); **C25D 21/02** (2013.01 - KR US); **C25D 21/08** (2013.01 - US); **C25D 21/10** (2013.01 - KR)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2021183713 A1 20210916; CN 115279952 A 20221101; EP 4118258 A1 20230118; JP 2023522563 A 20230531; JP 2024096890 A 20240717; KR 20220117310 A 20220823; US 2023086142 A1 20230323

DOCDB simple family (application)
US 2021021813 W 20210311; CN 202180020154 A 20210311; EP 21715723 A 20210311; JP 2022554520 A 20210311; JP 2024065642 A 20240415; KR 20227024976 A 20210311; US 202117908787 A 20210311