

Title (en)  
TECHNIQUES FOR PRODUCING ALUMINUM ALLOY PRODUCTS HAVING IMPROVED FORMABILITY AND RECYCLABILITY

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON ALUMINIUMLEGIERUNGSPRODUKTEN MIT VERBESSERTER FORMBARKEIT UND RECYCLING-FÄHIGKEIT

Title (fr)  
TECHNIQUES DE PRODUCTION DE PRODUITS EN ALLIAGE D'ALUMINIUM AYANT UNE FORMABILITÉ ET UNE APTITUDE AU RECYCLAGE AMÉLIORÉES

Publication  
**EP 4093893 A1 20221130 (EN)**

Application  
**EP 21706077 A 20210120**

Priority  
• US 202062963816 P 20200121  
• US 2021014183 W 20210120

Abstract (en)  
[origin: WO2021150610A1] Described are aluminum alloy products and methods of making aluminum alloy products in which the aluminum alloy products have carefully controlled intermetallic particle density and particle size. Such aluminum alloy products may exhibit favorable formability. Control over intermetallic particle size and density may allow for use of high amounts of recycled source content in aluminum alloy products.

IPC 8 full level  
**C22C 21/00** (2006.01); **C22F 1/04** (2006.01)

CPC (source: EP KR US)  
**B22F 1/054** (2022.01 - KR); **C22C 21/00** (2013.01 - EP); **C22C 21/06** (2013.01 - KR); **C22C 21/08** (2013.01 - US); **C22F 1/04** (2013.01 - EP); **C22F 1/047** (2013.01 - KR US)

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Designated extension state (EPC)  
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KH MA MD TN

DOCDB simple family (publication)  
**WO 2021150610 A1 20210729**; BR 112022011659 A2 20220906; CA 3164133 A1 20210729; CN 115298336 A 20221104; CN 115298336 B 20240130; EP 4093893 A1 20221130; JP 2023522806 A 20230601; KR 20220133916 A 20221005; MX 2022008704 A 20220808; US 2023074427 A1 20230309

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**US 2021014183 W 20210120**; BR 112022011659 A 20210120; CA 3164133 A 20210120; CN 202180023059 A 20210120; EP 21706077 A 20210120; JP 2022544185 A 20210120; KR 20227028661 A 20210120; MX 2022008704 A 20210120; US 202117759178 A 20210120