

Title (en)

METHOD FOR PRODUCING ALUMINUM CAN SHEET

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ALUMINIUMDOSENBLECH

Title (fr)

PROCÉDÉ POUR LA PRODUCTION D'UNE TÔLE DE BOÎTE D'ALUMINIUM

Publication

EP 3956489 B1 20230809 (EN)

Application

EP 21708225 A 20210301

Priority

- EP 20160733 A 20200303
- EP 2021054999 W 20210301

Abstract (en)

[origin: EP3875629A1] A method for producing aluminum can sheet comprises the following steps: providing a body made of an aluminum alloy; heating the body to a homogenization temperature; hot rolling said body in a hot rolling mill to produce a hot rolled sheet, said hot rolled sheet exiting the hot rolling mill at a hot rolling exit temperature with a hot mill exit gauge, wherein the hot rolling exit temperature is selected to substantially avoid recrystallization of the hot rolled sheet; cold rolling the hot rolled sheet in a cold rolling mill to apply a cold reduction to produce a cold rolled sheet with a cold mill exit gauge smaller than the hot mill exit gauge; annealing the cold rolled sheet in an intermediate temperature range selected to allow recrystallization of the cold rolled sheet to obtain a recrystallized annealed sheet; cold rolling the recrystallized annealed sheet to apply a cold reduction to produce a cold rolled sheet with a final gauge.

IPC 8 full level

C22F 1/04 (2006.01)

CPC (source: EP KR US)

C21D 8/0226 (2013.01 - KR US); **C21D 8/0236** (2013.01 - KR US); **C21D 8/0273** (2013.01 - KR US); **C22C 21/06** (2013.01 - KR US); **C22F 1/04** (2013.01 - EP); **C22F 1/047** (2013.01 - KR US)

Citation (examination)

EP 3245309 B1 20190612 - NOVELIS INC [US]

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

DOCDB simple family (publication)

EP 3875629 A1 20210908; AU 2021232470 A1 20221020; BR 112022017624 A2 20221018; CA 3172760 A1 20210910; CN 115151675 A 20221004; EP 3956489 A1 20220223; EP 3956489 B1 20230809; ES 2963289 T3 20240326; HR P20231234 T1 20240119; HU E063989 T2 20240228; JP 2023516369 A 20230419; KR 20220146620 A 20221101; MX 2022010759 A 20221130; PL 3956489 T3 20240212; PT 3956489 T 20231018; RS 64660 B1 20231031; SI 3956489 T1 20231229; US 2023083429 A1 20230316; WO 2021175761 A1 20210910; ZA 202209615 B 20231025

DOCDB simple family (application)

EP 20160733 A 20200303; AU 2021232470 A 20210301; BR 112022017624 A 20210301; CA 3172760 A 20210301; CN 202180018542 A 20210301; EP 2021054999 W 20210301; EP 21708225 A 20210301; ES 21708225 T 20210301; HR P20231234 T 20210301; HU E21708225 A 20210301; JP 2022552761 A 20210301; KR 20227033890 A 20210301; MX 2022010759 A 20210301; PL 21708225 T 20210301; PT 21708225 T 20210301; RS P20230867 A 20210301; SI 202130076 T 20210301; US 202117908974 A 20210301; ZA 202209615 A 20220829