Title (en)

COLD-ROLLED ALUMINUM ALLOY SHEET FOR BOTTLE CAN WITH EXCELLENT NECK PART FORMABILITY AND PROCESS FOR PRODUCING THE COLD-ROLLED ALUMINUM ALLOY SHEET

Title (de)

KALTGEWALZTES BLECH AUS ALUMINIUMLEGIERUNG FÜR FLASCHENDOSE MIT HERVORRAGENDER HALSTEILFORMBARKEIT UND VERFAHREN ZUR HERSTELLUNG DES KALTGEWALZTEN BLECHS AUS ALUMINIUMLEGIERUNG

Title (fr)

TOLE EN ALLIAGE D ALUMINIUM LAMINEE A FROID POUR BOUTEILLE CANETTE AYANT UNE EXCELLENTE CAPACITE DE FORMATION DE COL ET PROCEDE DE PRODUCTION DE LA TOLE EN ALLIAGE D ALUMINIUM LAMINEE A FROID

Publication

EP 1944384 A1 20080716 (EN)

Application

EP 06797959 A 20060914

Priority

- JP 2006318241 W 20060914
- JP 2005319864 A 20051102

Abstract (en)

A cold-rolled aluminum alloy sheet has a composition containing 0.7 to 1.5% by mass Mn, 0.8 to 1.7% by mass Mg, 0.1 to 0.7% by mass Fe, 0.05 to 0.5% by mass Si, 0.1 to 0. 6% by mass Cu, and Al and inevitable impurities as other elements. In the structure of the cold-rolled aluminum alloy sheet, 50 to 400 particles of particle sizes in the range of 0.05 to 1 μm are dispersed in an area of 300 μm 2 when observed under a TEM at a magnification in the range of 5, 000× to 15,000× magnification, and the ratio of the number of the dispersed particles of sizes of 0.3 μm or above to the number of all the dispersed particles is in the range of 15 to 70%.

IPC 8 full level

C22C 21/06 (2006.01); **C22C 21/00** (2006.01); **C22F 1/04** (2006.01)

CPC (source: EP KR US)

C22C 21/00 (2013.01 - EP US); **C22C 21/06** (2013.01 - KR); **C22C 21/08** (2013.01 - EP US); **C22F 1/047** (2013.01 - EP KR US)

Cited by

RU2664006C2; US10022773B2; EP3268503B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1944384 A1 20080716; **EP 1944384 A4 20091028**; CA 2625098 A1 20070510; CN 101268207 A 20080917; JP 2007126706 A 20070524; JP 3913260 B1 20070509; KR 20080058453 A 20080625; US 2008302454 A1 20081211; WO 2007052416 A1 20070510

DOCDB simple family (application)

EP 06797959 A 20060914; CA 2625098 A 20060914; CN 200680034377 A 20060914; JP 2005319864 A 20051102; JP 2006318241 W 20060914; KR 20087010486 A 20080430; US 9087906 A 20060914