

Title (en)

Heat-resistant alloy for production of aerosol cans

Title (de)

Wärmebeständige Legierung zur Herstellung von Aerosoldosen

Title (fr)

Alliage résistant à la chaleur pour la production de boîtiers d'aérosol

Publication

**EP 2881477 A1 20150610 (EN)**

Application

**EP 13466032 A 20131206**

Priority

EP 13466032 A 20131206

Abstract (en)

Heat-resistant alloy for production of aerosol cans from a material having the following contents of alloying additions in percent by weight: according to the standards EN 573-3 EN AW 1050A Si # 0.25; Fe # 0.40; Cu # 0.05; Mn # 0.05; Mg # 0.05; Zn # 0.07; Ti # 0.05; EN AW 3102 Si # 0.40; Fe # 0.70; Cu # 0.10; Mn 0.05-0.40; Zn # 0.30; Ti # 0.10; EN AW 3207 Si # 0.30; Fe # 0.45; Cu # 0.10; Mn 0.40-0.80; Mg # 0.10; Zn # 0.10; or with more specific compositions - Si = 0.05÷0.09; Fe = 0.15÷0.27; Cu # 0.005; Mn # 0.005; Mg # 0.005; Zn # 0.015; Ti = 0.01÷0.03; - Si = 0.05÷0.09; Fe = 0.23÷0.27; Cu # 0.005; Mn = 0.28÷0.32; Mg # 0.005; Zn # 0.015; Ti = 0.01÷0.03; - Si = 0.05÷0.09; Fe = 0.23÷0.27; Cu # 0.005; Mn = 0.58÷0.62; Mg # 0.005; Zn # 0.015; Ti = 0.01÷0.03; where each composition contains added Zr in the amount ranging between 0.05 and 0.20% by weight, the sum of the contained amounts of all the secondary elements being # 0,10% by weight and Al content is remainder.

IPC 8 full level

**C22C 21/00** (2006.01)

CPC (source: EP)

**C22C 21/00** (2013.01)

Citation (search report)

- [A] US 6543636 B1 20030408 - FLECHEUX FRANCK [FR], et al
- [X] "ASM Speciality Handbook - Aluminium and Aluminium Alloys", 1 December 1993, ASM INTERNATIONAL, USA, ISBN: 0-87170-496-X, pages: 21 - 21, XP002728368

Cited by

EP3075875A1; EP3940100A1; EP3940098A1; EP3940099A1

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

DOCDB simple family (publication)

**EP 2881477 A1 20150610; EP 2881477 B1 20170329**; EP 3009524 A1 20160420; EP 3009524 B1 20171011; EP 3031941 A1 20160615; EP 3031941 B1 20170705; ES 2630058 T3 20170817; ES 2648668 T3 20180105; HU E034858 T2 20180328; HU E035724 T2 20180528; SI 2881477 T1 20170831; SI 3009524 T1 20171229; SI 3031941 T1 20170929

DOCDB simple family (application)

**EP 13466032 A 20131206**; EP 15198381 A 20131206; EP 15198382 A 20131206; ES 13466032 T 20131206; ES 15198381 T 20131206; HU E13466032 A 20131206; HU E15198381 A 20131206; SI 201330681 T 20131206; SI 201330705 T 20131206; SI 201330831 T 20131206