

Title (en)
HEAT RESISTANT ALLOY FOR PRODUCTION OF AEROSOL CANS

Title (de)
HITZEBESTÄNDIGE LEGIERUNG ZUR HERSTELLUNG VON AEROSOLDOSEN

Title (fr)
ALLIAGE RÉSISTANT À LA CHALEUR POUR LA PRODUCTION DE BOMBES AÉROSOLS

Publication
EP 3031941 B1 20170705 (EN)

Application
EP 15198382 A 20131206

Priority
• EP 15198382 A 20131206
• EP 13466032 A 20131206

Abstract (en)
[origin: EP2881477A1] 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)

Cited by
CN112771195A; CN112469841A; EP3940099A1; EP3940098A1; US2021378307A1; WO2020048994A1; WO2020048988A1

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 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