

Title (en)

Aluminium piping material for automobile heat exchanger

Title (de)

Aluminium-Werkstoff für Rohre von Kraftfahrzeug-Wärmetauschern

Title (fr)

Matériau de tuyauterie en aluminium pour échangeurs de chaleur automobiles

Publication

EP 1892308 B1 20101201 (EN)

Application

EP 07016585 A 20070823

Priority

JP 2006228383 A 20060824

Abstract (en)

[origin: EP1892308A1] An aluminum piping material for an automobile heat exchanger, containing 0.05 to 0.4 mass% of Si, 0.05 to 0.4 mass% of Fe, 0.6 mass% or lower of Cu, 0.15 to 1.5 mass% of Mn, 0.05 to 0.3 mass% of Ti, and 0.05 to 0.3 mass% of V, with the balance being Al and inevitable impurities, wherein the aluminum piping material is excellent in corrosion resistance.

IPC 8 full level

C22C 21/00 (2006.01); **C22F 1/04** (2006.01); **C22F 1/05** (2006.01)

CPC (source: EP US)

C22C 21/00 (2013.01 - EP US); **C22F 1/04** (2013.01 - EP US); **C22F 1/05** (2013.01 - EP US)

Cited by

EP4004476A4; CN102312134A; EP2514555A1; WO2012143232A1; WO2012143233A2; EP3081326A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1892308 A1 20080227; **EP 1892308 B1 20101201**; DE 602007010872 D1 20110113; JP 2008050657 A 20080306; JP 5049536 B2 20121017; US 2008050269 A1 20080228

DOCDB simple family (application)

EP 07016585 A 20070823; DE 602007010872 T 20070823; JP 2006228383 A 20060824; US 84328007 A 20070822