

Title (en)
ALUMINUM FIN MATERIAL FOR HEAT EXCHANGER

Title (de)
ALUMINIUMRIPPENMATERIAL FÜR EINEN WÄRMETAUSCHER

Title (fr)
MATÉRIAU D'AILETTE EN ALUMINIUM POUR ÉCHANGEUR DE CHALEUR

Publication
EP 2413085 A4 20140910 (EN)

Application
EP 10756128 A 20100324

Priority
• JP 2010055109 W 20100324
• JP 2009072455 A 20090324

Abstract (en)
[origin: EP2413085A1] An aluminum fin material (1) for a heat exchanger, which is characterized by including a base (2) including aluminum or an aluminum alloy, a primer treatment layer (3) formed on the surface of the base (2), and a corrosion-resistant resin coating film layer (4) formed on the surface of the primer treatment layer (3), in which the corrosion-resistant resin coating film layer (4) includes a first corrosion-resistant resin coating film layer (4a) formed on the surface of the primer treatment layer (3) and a second corrosion-resistant resin coating film layer (4b) formed on the surface of the first corrosion-resistant resin coating film layer (4a), at least one of the first corrosion-resistant resin coating film layer (4a) and the second corrosion-resistant resin coating film layer (4b) includes an ethylene-acryl copolymer resin and has a thickness of 1 μm or more, and the corrosion-resistant resin coating film layer (4) has a total thickness of 1.1 to 10 μm inclusive.

IPC 8 full level
F28F 19/04 (2006.01); **F28F 1/32** (2006.01)

CPC (source: EP)
B05D 7/54 (2013.01); **C23C 28/00** (2013.01); **F28F 19/04** (2013.01); **F28F 21/084** (2013.01); **B05D 2202/25** (2013.01); **F28F 1/32** (2013.01); **F28F 17/005** (2013.01); **F28F 2245/02** (2013.01)

Citation (search report)
• [IY] WO 2007066796 A1 20070614 - NIPPON STEEL CORP [JP], et al & JP 2007182626 A 20070719 - NIPPON STEEL CORP
• [Y] AU 2008215475 A1 20080821 - KOBE STEEL LTD
• [A] GB 2288178 A 19951011 - KANSAI PAINT CO LTD [JP] & JP H07268274 A 19951017 - KANSAI PAINT CO LTD
• [A] WO 2006095514 A1 20060914 - DAIKIN IND LTD [JP], et al
• See references of WO 2010110332A1

Cited by
EP2894201A4; EP3421922A4; US10048026B2; WO2017163127A1; EP3875879A4; US2021389058A1; EP3385656B1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2413085 A1 20120201; EP 2413085 A4 20140910; CN 102348954 A 20120208; JP 2010223514 A 20101007; WO 2010110332 A1 20100930

DOCDB simple family (application)
EP 10756128 A 20100324; CN 201080011273 A 20100324; JP 2009072455 A 20090324; JP 2010055109 W 20100324