

Title (en)  
COMBINATION PRESS ALUMINIUM ALLOY FIN MATERIAL FOR HEAT EXCHANGER, AND MANUFACTURING METHOD FOR SAME

Title (de)  
KOMBINATIONSGEPRESSTER ALUMINIUMLEGIERUNGS-LAMELLENWERKSTOFF FÜR WÄRMETAUSCHER UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
MATÉRIAU D'AILETTE POUR ÉCHANGEUR DE CHALEUR EN ALLIAGE D'ALUMINIUM TRAVAILLÉ À LA PRESSE MIXTE, ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 2692882 A4 20141105 (EN)**

Application  
**EP 12764342 A 20120306**

Priority  
• JP 2011080854 A 20110331  
• JP 2011080855 A 20110331  
• JP 2012055660 W 20120306

Abstract (en)  
[origin: EP2692882A1] An aluminium alloy fin material serves as a combination-pressable heat-changing fin material and exhibits excellent collar-cracking resistance as to less suffer from the occurrence of collar cracking during a forming process. The fin material is formed from an aluminium alloy. The aluminum alloy contains 0.010% to 0.4% in mass of Fe, with the remainder including Al and unavoidable impurities, and has an Al purity of 99.30% in mass or more. The fin material has a thickness of less than 0.115 mm and has an average subgrain size of 2.5 µm or less and a yield strength of 100 to 130 newtons per square millimeter. A number density of intermetallic compounds having a maximum length of greater than 3 µm in the fin material is not more than 2000 per square millimeter.

IPC 8 full level  
**C22C 21/00** (2006.01); **C22F 1/00** (2006.01); **C22F 1/04** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP)  
**C22C 21/00** (2013.01); **C22F 1/00** (2013.01); **C22F 1/04** (2013.01); **F28F 21/084** (2013.01)

Citation (search report)  
• [E] EP 2612938 A1 20130710 - KOBE STEEL LTD [JP]  
• See references of WO 2012132785A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 2692882 A1 20140205**; **EP 2692882 A4 20141105**; AU 2012235013 A1 20130815; AU 2012235013 B2 20150827; CN 103380222 A 20131030; CN 103380222 B 20160210; MY 161709 A 20170515; WO 2012132785 A1 20121004

DOCDB simple family (application)  
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