

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

Publication  
**EP 2692882 A1 20140205 (EN)**

Application  
**EP 12764342 A 20120306**

Priority  
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Abstract (en)  
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 aluminium 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  
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CPC (source: EP)  
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