

Title (en)  
ALUMINUM FIN MATERIAL FOR HEAT EXCHANGER

Title (de)  
ALUMINIUMRIPPENMATERIAL FÜR EINEN WÄRMETAUSCHER

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

Publication  
**EP 2119996 B1 20160629 (EN)**

Application  
**EP 08711251 A 20080214**

Priority  
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Abstract (en)  
[origin: EP2119996A1] The present invention provides a fin material for a heat exchanger, which can prevent odor emission and deterioration of hydrophilicity for a long period. Disclosed in an aluminum fin material 1 for a heat exchanger includes a substrate 2, a primer-treated layer 3, a hydrophobic coating film layer 4 having a thickness of 0.1 to 10  $\mu\text{m}$ , and a hydrophilic coating film layer 5 having a thickness of 0.1 to 10  $\mu\text{m}$ , wherein the hydrophobic coating film layer 4 is made of at least one kind of a hydrophobic resin selected from the group consisting of an urethane-based resin, an epoxy-based resin, a polyester-based resin and a polyacrylic acid-based resin, the hydrophilic coating film layer 5 is made of a hydrophilic resin, which has a sulfonic acid group or a sulfonic acid group derivative, and also has at least one kind selected from the group consisting of a carboxyl group, carboxyl group derivative, a hydroxyl group and a hydroxyl group derivative, an existing ratio of S measured in a film thickness direction by high-frequency glow discharge optical emission spectroscopy is from 1 to 5 atomic % and an existing ratio of O is from 10 to 35 atomic %, and the total amount of impurities of the hydrophobic coating film layer 4 and the hydrophilic coating film layer 5 is 1% by mass or less.

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