

Title (en)

Process and apparatus for treating the internal surface of heat exchangers

Title (de)

Verfahren und Vorrichtung zum Behandeln von Wärmetauschern grosser innerer Oberfläche

Title (fr)

Procédé et appareil pour traiter la surface interne des échangeurs de chaleur

Publication

EP 0780163 B1 20010912 (DE)

Application

EP 96120590 A 19961220

Priority

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- DE 19548594 A 19951223

Abstract (en)

[origin: EP0780163A1] The heat exchanger has an aluminium structure which is pre-treated before coating. The coating layer is between 0.5 and 50 micron thick. This is achieved by spinning coated heat exchangers in a centrifuge to remove excess coating and to ensure that no coating clogs the small spaces in the honeycomb. The coating is stoved after application. The inner surfaces of the heat exchanger have the thinnest coating. The outer surfaces can be coated in several layers. The centrifuge is fitted with supports for the heat exchangers positioned so as to protect the vulnerable parts of the structures when spinning. The centrifuge is positioned alongside the dip coating tank.

IPC 1-7

B05D 1/18; **B05C 11/08**; **F28F 19/02**

IPC 8 full level

B05C 11/08 (2006.01); **B05D 1/18** (2006.01); **B05D 3/12** (2006.01); **F28F 19/02** (2006.01); **F28F 19/04** (2006.01); **F28G 13/00** (2006.01); **B05C 3/04** (2006.01)

CPC (source: EP)

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