

Title (en)

PROCESS FOR THE PROTECTION AGAINST EXTERNAL CORROSION IN COPPER-BASED HEAT EXCHANGERS

Title (de)

VERFAHREN ZUM EXTERNEN KORROSIONSCHUTZ VON WÄRMETÄUSCHER AUS KUPFER

Title (fr)

PROCEDE DE PROTECTION CONTRE LA CORROSION EXTERNE DANS DES ECHANGEURS DE CHALEUR EN CUIVRE

Publication

EP 0771888 A1 19970507 (EN)

Application

EP 96915036 A 19960514

Priority

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- ES 9500935 A 19950516

Abstract (en)

The process comprises the coating and heat diffusion of an Sn-based alloy on a Cu-based core so as to obtain a composite material comprised of a Cu-based core, an external surface formed of a Sn-based alloy and an intermediary layer comprised of Cu-Sn alloys of variable compositions. Said composite material thus formed is appropriate for the fabrication of gills for heat exchangers, particularly radiators for motor vehicles, and whose honeycombs can be welded in an oven with oxidizing or non oxidizing atmosphere.

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IPC 8 full level

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