

Title (en)

Process for improving the corrosion resistance of copper and copper alloy radiators, and the radiators thereby obtainable

Title (de)

Verfahren zur Verbesserung des Korrosionswiderstandes von Radiatoren aus Kupfer und Kupferlegierungen sowie auf diese Weise zu erhaltende Radiatoren

Title (fr)

Procédé pour améliorer la résistance à la corrosion de radiateurs en cuivre et en alliage cuivreux ainsi que radiateurs obtenus par ce procédé

Publication

EP 0587543 B1 19970108 (EN)

Application

EP 93830364 A 19930908

Priority

IT RM920655 A 19920908

Abstract (en)

[origin: EP0587543A2] A process for improving the corrosion resistance of copper and copper alloy radiators, characterized by the fact that the radiators, after assembly and brazing of the components, are subjected to the following operations: cold washing; de-greasing; rinsing with cold water; rinsing with demineralized water; filmogenous phosphatation of the surface, optionally using electrolytic means, with solution in demineralized water of phosphoric acid or derivatives thereof, chromic acid or salts thereof, an agent to reduce the hexavalent chrome to trivalent chrome and polymeric resin; removal of the excess of said filmogenous phosphatation solution; drying; clamping of headers; application of powdered paint; and paint cooking. c

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EP 0587543 A2 19940316; **EP 0587543 A3 19950726**; **EP 0587543 B1 19970108**; BR 9303711 A 19940419; DE 69307232 D1 19970220; DE 69307232 T2 19970703; ES 2098717 T3 19970501; IT 1263235 B 19960805; IT RM920655 A0 19920908; IT RM920655 A1 19940308; JP H08152293 A 19960611; MX 9305490 A 19940531

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