

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 Kupfer und Radiatoren aus Kupferlegierung sowie Radiatoren auf diese Weise zu erhalten.

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

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Application

EP 93830364 A 19930908

Priority

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Abstract (en)

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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