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(54) **Process for improving the corrosion resistance of copper and copper alloy radiators, and the radiators thereby obtainable.**

(57) 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.



European Patent
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EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 93830364.1
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	<u>US - A - 5 039 360</u> (JUAN BRUGAROLAS et al.) * Abstract; claims 1-14 * --	1-16	C 23 C 22/07 C 23 C 22/24 C 23 C 22/26 C 23 C 22/28
A	<u>EP - A - 0 207 484</u> (OLIN COPORATION) * Abstract; claims 1-13 * --	1-16	C 23 C 22/33
A	<u>EP - A - 0 139 845</u> (AMCHEM PRODUCTS, INC.) * Abstract; claims 1-16 * ----	1-16	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C 23 C
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 18-04-1995	Examiner HAUK
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document I : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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