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- Electrolytic copper plating solutions and a method for their application.
- (57) Acid copper electroplating solutions containing the reaction product of
 - (1) a compound of the formula



wherein R₁ and R₂ are lower alkyl radicals of with 1 to 6 carbon atoms, a hydrogen atom or mixtures thereof and R4 is an alkali metal, hydrogen, magnesium, or the groups SX or SSX, wherein X is an alkali metal, hydrogen or magnesium, or a compound of the formula



wherein R₃ is an aromatic, heterocyclic or alicyclic radical containing 3 to 12 carbon atoms and $R_{\mbox{\tiny 4}}$ is an alkali metal, hydrogen, magnesium, or the groups SX or SSX where X is an alkali metal, hydrogen or magnesium,

(2) a compound of the formula

wherein R1 and R2 are the same or different and are alkylene radicals containing 1 to 6 carbon atoms, X is hydrogen or -SO₃H and n equals 2 to 5, and

(3) acrylamide in a sufficient amount to increase the brightness of the deposit and/or to prevent the formation of cracks during thermal shock.



EUROPEAN SEARCH REPORT

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EP 83 10 9814

Category Citation of document with indication, where appropriate, of relevant passages to claim				CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)	
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A,D	US-A-3 328 273	(CREUTZ)		C 25 D C 07 G	
A	FR-A-2 406 009	(SCHERING)			
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	The present search report has i	peen drawn up for all claims			
	Place of search. THE HAGUE	Date of completion of the search 20-03-1984	VAN L	Examiner EEUWEN R.	н.
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