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(54) **Additive for plating bath**

(57) A plating bath additive and a plating bath using the said additive are provided, which plating bath contains a hydroxyalkanesulfonic acid and which even when applied to an electronic part such as a semiconductor device does not give rise to a problem such as circuit-to-circuit insulation becoming defective. The plating bath

additive contains a hydroxyalkanesulfonic acid as a main component and has an alkali metal content of less than 0.05 mass% relative to the hydroxyalkanesulfonic acid. The plating bath incorporates the said additive therein.

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EUROPEAN SEARCH REPORT

Application Number
EP 05 25 0172

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 5 912 385 A (KUSHIBE KAZUYOSHI [JP] ET AL) 15 June 1999 (1999-06-15) * column 1, line 10 - line 48 * * column 3, line 20 - line 58 * * claim 1 *	1-6	INV. C23C18/16 ADD. C25D3/32 C25D7/12
X	US 4 696 773 A (LUKENBACH ELVIN R [US] ET AL) 29 September 1987 (1987-09-29) * column 1, line 56 - line 68 * * column 2, line 10 - line 35 * * examples 3,4 * * claim 1 *	1-6	
X	US 4 987 250 A (MCGEE DENNIS E [US] ET AL) 22 January 1991 (1991-01-22) * column 1, lines 16-41 * * claim 1 *	1-4	
A	US 4 132 610 A (DOHI NOBUYASU ET AL) 2 January 1979 (1979-01-02) * column 1, line 53 - column 2, line 8 * * examples 1-3 * * claim 1 *	1-6	TECHNICAL FIELDS SEARCHED (IPC) C25D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 May 2007	Examiner Le Hervet, Morgan
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 T : 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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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