

Title (en)

Composition for metal electroplating comprising leveling agent

Title (de)

Zusammensetzung zur Metallgalvanisierung mit Verlaufmittel

Title (fr)

Composition pour dépôt électrique métallique comportant un agent de nivellement

Publication

EP 2468927 A1 20120627 (EN)

Application

EP 10196299 A 20101221

Priority

EP 10196299 A 20101221

Abstract (en)

A composition comprising a source of metal ions and at least one additive comprising a linear or branched, polymeric biguanide compound comprising the structural unit of formula L1. or the corresponding salt of the polymeric biguanide compound formed by the reaction of the biguanide groups with organic or inorganic acids, wherein R 1 is, each independently, selected from an H atom or an organic radical having from 1 to 20 carbon atoms. R 2 is an divalent organic radical having from 1 to 20 carbon atoms, optionally comprising polymeric biguanide side branches. n is an integer of 2 or more.

IPC 8 full level

C25D 3/02 (2006.01)

CPC (source: EP)

C25D 3/02 (2013.01)

Citation (applicant)

- US 3428576 A 19690218 - DICKINSON JOHN DAVID, et al
- US 4403078 A 19830906 - MCCOY DAVID R [US], et al
- US 5741886 A 19980421 - STOCKEL RICHARD F [US], et al
- WO 2010069810 A1 20100624 - BASF SE [DE], et al
- EP 2010067874 W 20101122
- US 31505110 P 20100318
- US 35004510 P 20100601
- WO 2010115796 A1 20101014 - BASF SE [DE], et al
- WO 2010115756 A1 20101014 - BASF SE [DE], et al
- WO 2010115757 A1 20101014 - BASF SE [DE], et al
- WO 2010115717 A1 20101014 - BASF SE [DE], et al
- EP 2010060276 W 20100716
- EP 2010060375 W 20100719

Citation (search report)

- [X] WO 2007118985 A1 20071025 - TECHNOLOGIES MOLECULAIRES TECM [FR], et al
- [X] EP 2067882 A1 20090610 - NIPPON PAINT CO LTD [JP]
- [X] WO 9201380 A1 19920206 - ICI PLC [GB]
- [X] KR 20050023927 A 20050310 - SK CHEMICALS CO LTD
- [X] US 2006147549 A1 20060706 - GRAB LAWRENCE A [DE], et al
- [X] GB 755478 A 19560822 - ICI LTD, et al
- [X] JP 2002126051 A 20020508 - KURARAY CO
- [X] JP 2000284240 A 20001013 - KURARAY CO
- [X] GB 2341092 A 20000308 - MACGREGOR KEITH MARTIN [GB]
- [X] GB 2123856 A 19840208 - KELCO AIL INT LTD
- [X] GB 1045684 A 19661019 - HOECHST AG
- [X] EAST G C ET AL: "Polybiguanides: synthesis and characterization of polybiguanides containing hexamethylene groups", POLYMER, ELSEVIER SCIENCE PUBLISHERS B.V, GB, vol. 38, no. 15, 1 July 1997 (1997-07-01), pages 3973 - 3984, XP004761489, ISSN: 0032-3861, DOI: 10.1016/S0032-3861(96)00969-X

Cited by

CN108350590A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2468927 A1 20120627; TW 201231737 A 20120801; TW I527937 B 20160401

DOCDB simple family (application)

EP 10196299 A 20101221; TW 100147544 A 20111220