Title (en)
METHOD FOR PRODUCING SURFACE-TREATED STEEL SHEET

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES OBERFLÄCHENBEHANDELTEN STAHLBLECHS

Title (fr)
PROCÉDÉ DE FABRICATION DE FEUILLE D'ACIER TRAITÉE EN SURFACE

Publication
**EP 2497845 A4 20161012 (EN)**

Application
**EP 10828043 A 20100927**

Priority
• JP 2009253360 A 20091104
• JP 2010005800 W 20100927

Abstract (en)
[origin: EP2497845A1] Provided is a method for manufacturing a surface treated steel sheet for a resin coated steel sheet having excellent working adhesiveness even at the time of rigorous forming working. In a method for manufacturing a surface-treated steel sheet, an area ratio of tin covering a surface of a steel sheet is set to 5% to 95% by adjusting the Sn concentration in a tin sulfate plating bath containing a sulfuric acid and tin sulfate to a value which falls within a range of 30 to 120 g/L, a temperature of the tin sulfate plating bath is set to a value which falls within a range of 20 to 60°C, and current density in tin sulfate plating to a value which falls within a range of 2 to 50 A/dm 2 , whereby the surface of the steel sheet is coated with metallic tin such that some of iron on the surface of the steel sheet is exposed.

IPC 8 full level
C25D 5/36 (2006.01); C25D 3/30 (2006.01); C25D 5/50 (2006.01); C25D 7/06 (2006.01)

CPC (source: EP)
C25D 3/30 (2013.01); C25D 5/36 (2013.01); C25D 5/505 (2013.01); C25D 7/0614 (2013.01)

Citation (search report)
• [X] GB 2246319 A 19920129 - TOYO KOHAN CO LTD [JP]
• [XI] US 4816348 A 19890328 - KAWAMURA HIROAKI [JP], et al
• [A] JP 3252725 B2 20020204
• See references of WO 2011055481A1

Cited by
GB2564149A; US10995797B2

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 SE SI SK SM TR

DOCDB simple family (publication)
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