Title (en)
METHOD FOR PREVENTION OF YELLOWING ON SURFACE OF STEEL SHEET AFTER PICKLING

Title (de)
VERFAHREN ZUR VERHINDERUNG DER VERGILBUNG EINER OBERFLÄCHE EINES SÄUREGEREINIGTEN STAHLBLECHS

Title (fr)
PROCÉDÉ POUR EMPÊCHER LA COLORATION JAUNE INDÉSIRÉE DE LA SURFACE D'UNE FEUILLE D'ACIER NETTOYÉE PAR ACIDE

Publication
EP 2806051 B1 20160406 (EN)

Application
EP 13738039 A 20130116

Priority
• JP 2012007739 A 20120118
• JP 2013050678 W 20130116

Abstract (en)
[origin: EP2806051A1] In a method for prevention of yellowing on a surface of a steel sheet subjected to re-pickling, washing with water and drying after a surface of a continuously annealed steel sheet is pickled to remove Si-containing oxide layer from a surface layer of the steel sheet, the surface of the steel sheet is held at a wet state between the pickling and the re-pickling and between the re-pickling and the washing, and more preferably the washing is carried out with water having an iron ion concentration decreased to not more than 20 g/L, whereby the yellowing on the surface of the steel sheet after the pickling is prevented. Thus, cold rolled steel sheets being excellent in not only the appearance quality but also the phosphatability and corrosion resistance after painting are manufactured stably.

IPC 8 full level
C23G 1/08 (2006.01); **C22C 38/00** (2006.01); **C22C 38/06** (2006.01); **C23G 1/00** (2006.01)

CPC (source: EP US)
C21D 8/02 (2013.01 - EP US); **C21D 8/0278** (2013.01 - EP US); **C21D 9/562** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C23G 1/00** (2013.01 - EP US); **C23G 1/08** (2013.01 - EP US); **C23G 1/081** (2013.01 - EP US); **C23G 1/085** (2013.01 - EP US); **C23G 1/086** (2013.01 - EP US)

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DOCDB simple family (application)
EP 13738039 A 20130116; CN 201380005825 A 20130116; JP 2013050678 W 20130116; JP 2013523799 A 20130116; KR 20147018456 A 20130116; US 201314372912 A 20130116