

Title (en)

STEEL SHEET PRODUCTION METHOD

Title (de)

STAHLBLECHHERSTELLUNGSVERFAHREN

Title (fr)

PROCÉDÉ DE PRODUCTION D'UNE TÔLE D'ACIER

Publication

EP 3162918 A1 20170503 (EN)

Application

EP 14896099 A 20140627

Priority

JP 2014067147 W 20140627

Abstract (en)

The present invention provides a method of manufacturing a steel sheet that realize a small load in wastewater treatment and a reduced energy cost for drying the steel sheet or the like after cleaning. The method of manufacturing a steel sheet, comprising: a cleaning step (1) of cleaning a steel sheet after cold rolling, a rinsing step (2) of rinsing the steel sheet, and a drying step (3) of drying the steel sheet; wherein the rinsing step (2) includes one or more rinsing treatments, a rinsing agent ± used in a final rinsing treatment contains component (a); the concentration of the component (a) is 150 mg/kg or less, the cation concentration P c of an inorganic salt is 2.0 mmol/kg or more and 18.0 mmol/kg or less, and the sulfate ion concentration in the rinsing agent ± is 0.75 mmol/kg or less.

IPC 8 full level

C23G 1/14 (2006.01); **C25F 1/00** (2006.01)

CPC (source: EP)

C11D 1/62 (2013.01); **C21D 8/0236** (2013.01); **C21D 8/0436** (2013.01); **C21D 8/0478** (2013.01); **C21D 9/46** (2013.01); **C22C 38/00** (2013.01);
C23G 1/00 (2013.01); **C23G 1/19** (2013.01); **C23G 1/24** (2013.01); **C25F 1/00** (2013.01); **C11D 2111/16** (2024.01)

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 3162918 A1 20170503; **EP 3162918 A4 20170628**; CN 106460200 A 20170222; CN 106460200 B 20190326; WO 2015198467 A1 20151230

DOCDB simple family (application)

EP 14896099 A 20140627; CN 201480079208 A 20140627; JP 2014067147 W 20140627