

Title (en)

HOT DIP GALVANIZED STEEL SHEET HAVING EXCELLENT SURFACE APPEARANCE, AND MANUFACTURING METHOD THEREFOR

Title (de)

FEUERVERZINKTES STAHLBLECH MIT AUSGEZEICHNETEM OBERFLÄCHENAUSSEHEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

TÔLE D'ACIER GALVANISÉE PAR IMMERSION À CHAUD PRÉSENTANT UN EXCELLENT ASPECT DE SURFACE ET SON PROCÉDÉ DE FABRICATION

Publication

EP 3733919 A4 20201202 (EN)

Application

EP 18894000 A 20181206

Priority

- KR 20170180298 A 20171226
- KR 2018015366 W 20181206

Abstract (en)

[origin: EP3733919A1] A hot dip galvanized steel sheet having an excellent surface appearance, according to one aspect of the present invention, comprises a base steel sheet and a zinc plating layer, wherein the zinc plating layer includes a continuous Al-rich layer formed within 100 nm from a surface of the zinc plating layer.

IPC 8 full level

C23C 2/06 (2006.01); **B21B 1/26** (2006.01); **B21B 45/06** (2006.01); **B24C 1/08** (2006.01); **C22C 18/04** (2006.01); **C23C 2/02** (2006.01); **C23C 2/20** (2006.01); **C23G 1/08** (2006.01)

CPC (source: EP KR US)

B21B 1/26 (2013.01 - KR); **B21B 45/06** (2013.01 - KR); **B24C 1/086** (2013.01 - EP KR); **C22C 18/04** (2013.01 - EP KR); **C23C 2/02** (2013.01 - EP US); **C23C 2/022** (2022.08 - KR); **C23C 2/024** (2022.08 - EP US); **C23C 2/06** (2013.01 - EP KR); **C23C 2/20** (2013.01 - EP); **C23G 1/08** (2013.01 - EP KR)

Citation (search report)

- [IA] KR 20150051840 A 20150513 - POSCO [KR]
- [I] KR 20140001557 A 20140107 - POSCO [KR]
- [XI] H. E. BIBER: "Scanning auger microprobe study of hot-dipped regular-spangle galvanized steel: Part I. surface composition of As-produced sheet", METALLURGICAL TRANSACTIONS A- PHYSICAL METALLURGY AND MATERIALS SCIENCE, vol. 19, no. 6, 1 June 1988 (1988-06-01), US, pages 1603 - 1608, XP055742395, ISSN: 0360-2133, DOI: 10.1007/BF02674035
- See references of WO 2019132293A1

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 3733919 A1 20201104; **EP 3733919 A4 20201202**; CN 111587298 A 20200825; KR 102031463 B1 20191011; KR 20190078411 A 20190704; WO 2019132293 A1 20190704

DOCDB simple family (application)

EP 18894000 A 20181206; CN 201880084538 A 20181206; KR 20170180298 A 20171226; KR 2018015366 W 20181206