

Title (en)

ZN-COATED STEEL SHEET HAVING EXCELLENT SURFACE QUALITY AND THE METHOD FOR MANUFACTURING THE SAME

Title (de)

ZN-BESCHICHTETES STAHLBLECH MIT HERVORRAGENDER OBERFLÄCHENQUALITÄT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

TÔLE MINCE EN ACIER RECOUVERTE DE ZN PRÉSENTANT UNE EXCELLENTE QUALITÉ DE SURFACE ET PROCÉDÉ DE PRODUCTION DE CETTE DERNIÈRE

Publication

**EP 2097546 A1 20090909 (EN)**

Application

**EP 07851682 A 20071221**

Priority

- KR 2007006716 W 20071221
- KR 20060135657 A 20061227

Abstract (en)

[origin: WO2008078912A1] There is provided a Zn-coated steel sheet with excellent surface quality, which is generally used for inner and outer panels for automobiles. The Zn-coated steel sheet includes, by weight percent, C: 0.04 to 0.25%, Mn: 0.2 to 2.5%, Si: 0.01 to 1.7%, Al: 0.01 to 1.5%, P: 0.01 to 0.1%, S: 0.02% or less, and Sb: 0.001 to 0.1%, residual Fe, and unavoidable impurities, wherein the Si and Al satisfy  $0.5 < \text{Si} + \text{Al} < 2.0$  and a thickness of an oxide layer on a surface thereof is 1 D or less. The Zn-coated steel sheet may have excellent coating quality in a high strength thin steel sheet having excellent workability.

IPC 8 full level

**C22C 38/00** (2006.01)

CPC (source: EP KR)

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Citation (search report)

See references of WO 2008078912A1

Cited by

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