

Title (en)

STEEL SHEET FOR GALVANIZING WITH EXCELLENT WORKABILITY, AND METHOD FOR MANUFACTURING THE SAME

Title (de)

STAHLBLECH ZUM GALVANISIEREN MIT HERVORRAGENDER BEARBEITBARKEIT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

TOLE D'ACIER POUR GALVANISATION A EXCELLENTE USINABILITE, ET PROCEDE DE FABRICATION

Publication

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Application

**EP 06783735 A 20060824**

Priority

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Abstract (en)

[origin: WO2007024114A1] A high strength ductile steel sheet for extra deep drawing mainly used for interior or exterior plates of automobile bodies, and a method for manufacturing the same are disclosed. The steel sheet comprises, by weight%, C: 0.010% or less, Si: 0.1% or less, Mn: 0.06 ~ 1.5%, P: 0.15% or less, S: 0.020% or less, Sol. Al: 0.10 ~ 0.40%, N: 0.010% or less, Ti: 0.003 ~ 0.010%, Nb: 0.003 ~ 0.040%, B: 0.0002 ~ 0.0020%, Mo: 0.05% or less, one or both of Sb: 0.005 ~ 0.05% and Sn: 0.005 ~ 0.05%, a total amount of Sb and Sn being in the range of 0.005 ~ 0.1% when both of Sb and Sn are added to the steel sheet, and the balance of Fe and other unavoidable impurities. The steel sheet has surface agglomerates having an average diameter of 1  $\mu$ m or less, and a tensile strength of 28 - 50 Df/D.

IPC 8 full level

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