

Title (en)

HIGH TENSION ALLOYED MOLTEN ZINC-PLATED STEEL PLATE HAVING EXCELLENT PLATING CHARACTERISTICS AND METHOD OF MANUFACTURING THE SAME

Title (de)

HOCHFESTE FEUERVERZINKTE STAHLPLATTE MIT HERVORRAGENDEN PLATTIERUNGSEIGENSCHAFTEN UND HERSTELLUNGSVERFAHREN

Title (fr)

TOLE D'ACIER REVETUE DE ZINC ALLIE FONDU SOUS HAUTE TENSION, A EXCELLENTES CARACTERISTIQUES DE ZINGAGE, ET SON PROCEDE DE FABRICATION

Publication

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Application

EP 95907877 A 19950213

Priority

- JP 9500196 W 19950213
- JP 1836494 A 19940215

Abstract (en)

[origin: WO9521947A1] A high tension alloyed molten zinc-plated steel plate having excellent press moldability and plating characteristics, wherein Si is utilized as a reinforcing component, the mutual relation between Si and Mn being specified, an alloying rate of a layer of plating of alloyed zinc being specified, characterized in that: the plated steel has a layer of plating of alloyed molten zinc containing 9-12 % of Fe on a surface of a steel plate containing 0.0005-0.0050 mass % of C, 0.1-2.5 mass % of Si, 0.1-2.5 mass % of Mn, 0.003-0.10 mass % of Ti, 0.0030-0.10 mass % of Nb, 0.0005-0.0080 mass % of B, 0.040-0.18 mass % of P, not more than 0.015 mass % of S, 0.005-0.10 mass % of Al, not more than 0.0060 mass % of N, Si and Mn in amounts satisfying the relation of the following expression, and the remainder substantially comprising an Fe composition.

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IPC 8 full level

B32B 15/01 (2006.01); **C23C 2/28** (2006.01)

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