

Title (en)

A STEEL SHEET COATED WITH AN ALUMINIUM BASED COATING.

Title (de)

STAHLBLECH MIT EINER BESCHICHTUNG AUF ALUMINIUMBASIS

Title (fr)

TÔLE D'ACIER REVETUÉ AVEC UN REVÊTEMENT À BASE D'ALUMIMIUM ET AYANT UNE FORMABILITÉ AMELLOREE

Publication

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Application

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Abstract (en)

[origin: EP1826289A1] The present invention is related to a steel sheet comprising a metal oxide layer in contact with said steel face, and on top of that oxide layer, an iron oxide layer, wherein said iron oxide layer is reduced during annealing prior to dipping and gradually dissolves when being immersed in the molten Al bath, while said metal oxide layer is stable with respect to molten Al, and to an aluminium-based steel sheet produced by immersing said sheet into a hot dip molten metal bath comprising Al. According to the preferred embodiment, the metal oxide layer and iron oxide layers are applied via gas phase deposition.

IPC 8 full level

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