

Title (en)

DIFFUSION OF ALUMINIUM-SILICON INTO A STEEL SHEET WEB

Title (de)

EINDIFFUNDIEREN VON ALUMINIUM-SILIZIUM IN EINE STAHLBLECHBAHN

Title (fr)

INCORPORATION PAR DIFFUSION DE SILICIUM-ALUMINIUM DANS UNE BANDE DE TÔLE D'ACIER

Publication

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Application

**EP 14733592 A 20140623**

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Abstract (en)

[origin: CA2915440A1] The invention relates to a device and a method for diffusing Al-Si into a surface of an Al-Si-coated steel sheet. The steel sheet is first fed into a furnace that can be heated to the diffusion temperature, and is then passed contactlessly through the furnace which is heated to the diffusion temperature. In the process the steel sheet is heated to the diffusion temperature, so that Al-Si diffuses into a surface of the steel sheet. The steel sheet with Al-Si diffused into a surface is then cooled at a rate of less than about 25 K/sec.

IPC 8 full level

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