

Title (en)

GALVANIZED ROLLING-HARDENED COLD-ROLLED FLAT PRODUCT AND PROCESS FOR PRODUCING IT

Title (de)

VERZINKTES WALZHARTES KALTGEWALZTES FLACHPRODUKT UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

PRODUIT PLAT GALVANISE DURCI PAR LAMINAGE A FROID ET PROCEDE POUR SA FABRICATION

Publication

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Application

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Abstract (en)

[origin: WO2007082786A1] A flat product according to the invention which has been produced from a low-alloy steel containing iron and unavoidable impurities together with (in % by weight) up to 0.45% of C, up to 2.20% of Si, up to 2.50% of Mn, up to 0.12% of P, up to 0.025% of S, up to 2.0% of Al, up to 0.15% of Ti, up to 0.09% of Nb, a total of up to 1.0% of Cr and Mo, up to 0.2% of V and up to 0.005% of B and has been cold-rolled to a thickness of 0.1-4 mm and is in the rolling-hardened state has a tensile strength of 700-1000 MPa and is coated with a zinc layer which has been applied by electrolytic galvanization and has a layer thickness of up to 12 µm. The cold-rolled flat product of this type provides a steel sheet or strip which has not only a particularly high strength but also a high corrosion resistance. In addition, the invention provides a process for producing such a flat product.

IPC 8 full level

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