

Title (en)

METHOD FOR PRODUCING HIGH-STRENGTH STEEL PRODUCT AND STEEL PRODUCT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES HOCHFESTEN STAHLPRODUKTS UND STAHLPRODUKT

Title (fr)

PROCÉDÉ DE PRODUCTION DE PRODUIT EN ACIER À HAUTE RÉSISTANCE ET PRODUIT EN ACIER

Publication

**EP 2491157 A4 20140820 (EN)**

Application

**EP 10824525 A 20101022**

Priority

- FI 20090387 A 20091023
- FI 2010050831 W 20101022

Abstract (en)

[origin: WO2011048274A1] The object of the invention is a method for producing a high- strength galvanized steel product, the composition of which in percentages by weight comprises C: 0.04-0.10% Si: =0.03% Mn: 0.3-1.2% Nb: 0.015-0.10% N: =0.01% P: =0.02% S: =0.02% Al: 0.01-0.08% V: =0.08%, the remaining being iron, unavoidable impurities or residual contents. The object of the invention is also a high-strength product with the above mentioned composition. In accordance with the invention it has surprisingly been established that by direct quenching of steel with the mentioned composition there is obtained a high-strength steel with excellent hot-dip galvanization properties.

IPC 8 full level

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Citation (search report)

- [X] EP 1041167 A1 20001004 - KAWASAKI STEEL CO [JP]
- [A] WO 9905335 A1 19990204 - EXXON PRODUCTION RESEARCH CO [US], et al
- [A] EP 1319725 A2 20030618 - THYSSENKRUPP STAHL AG [DE]
- [A] EP 1375694 A1 20040102 - RAUTARUUKKI OYJ [FI]
- [A] US 2004040633 A1 20040304 - HANSCH ING WILFRIED [DE], et al
- See references of WO 2011048274A1

Designated contracting state (EPC)

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