

Title (en)

Use of a steel flat product produced from a manganese boron steel and method of its production

Title (de)

Verwendung eines aus einem Mangan-Bor-Stahl hergestellten Flachproduktes und Verfahren zu dessen Herstellung

Title (fr)

Utilisation d'un produit plat fabriqué à partir d'un acier au manganèse et au bore et procédé de sa fabrication

Publication

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Application

EP 06115075 A 20060607

Priority

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Abstract (en)

[origin: EP1865086A1] Manganese-boron-steel (I) comprises (in wt.%): carbon (0.1-0.2); silicon (0.05-0.3), manganese (0.8-1.8), nickel (0.5-.8); phosphorus (= 0.015), sulfur (= 0.003), boron (0.0002-0.008), optionally titanium (0.01-0.1), optionally aluminum (0.01-0.05), optionally nitrogen (0.002-0.005) and rest of iron and unavoidable impurities. Independent claims are included for: (1) a flat steel product comprising (I); and (2) a process for the preparation of the steel product comprising smelting a steel melt containing (I), pouring the melt to slabs or thin slabs, thermally-rolling the slabs or thin slabs at 850-900[deg]C to form a hot-rolled strip and hasping the hot-rolled strip at 560-600[deg]C.

IPC 8 full level

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Cited by

EP2390530A1; US9057419B2; WO2011150992A1; WO2020002285A1; WO2016193268A1; WO2018220430A1; WO2018220598A1; US11629388B2; WO2017006144A1; WO2017006159A1; EP3591079A1; EP3604564A1; US11319610B2; EP4234746A2; US11814696B2

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