

Title (en)

Method for producing ultra low carbon steel slab

Title (de)

Verfahren zur Herstellung von Stahlbrammen mit ultra-geringem Kohlenstoffgehalt

Title (fr)

Procédé de fabrication de brames d'acier à très faible teneur en carbone

Publication

EP 1510272 B1 20100331 (EN)

Application

EP 04020281 A 20040826

Priority

- JP 2003307108 A 20030829
- JP 2003395818 A 20031126

Abstract (en)

[origin: EP1510272A1] An ultra-low carbon steel slab having a carbon content of about 0.01 mass percent or less is produced by casting at a casting speed of more than about 2.0 m/min using a mold provided with a casting space having a short side length D of about 150 to about 240 mm and an immersion nozzle provided with discharge spouts each having a lateral width d, the ratio D/d being in the range of from about 1.5 to about 3.0. Accordingly, a ultra-low carbon steel slab can be obtained having superior surface quality without performing slab conditioning such as scarfing.

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

EP2500121A4; EP2500120A4; EP2546008A4; US8985189B2; WO2013091701A1

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EP 1510272 A1 20050302; **EP 1510272 B1 20100331**; CN 1299855 C 20070214; CN 1597182 A 20050323; DE 602004026253 D1 20100512; KR 100654738 B1 20061208; KR 20050021961 A 20050307; TW 200518858 A 20050616; TW I268820 B 20061221; US 2005045303 A1 20050303; US 2006102316 A1 20060518

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