

Title (en)

Method of manufacturing a thin steel slab by continuous casting

Title (de)

Verfahren zur Herstellung einer dünnen Stahlbramme durch Stranggiessen

Title (fr)

Procédé de fabrication d'une brame mince en acier par coulée continue

Publication

EP 0382702 B1 19970409 (FR)

Application

EP 90870018 A 19900205

Priority

BE 8900138 A 19890210

Abstract (en)

[origin: EP0382702A2] The steel is cast in a mould (1), at least the exit section of which has a width which is less than or equal to 60 mm, and a slab (2) having a thickness of less than 60 mm and possessing a solidified skin is removed from this mould. The slab undergoes a secondary cooling, during which an uninterrupted layer of pressurised cooling liquid (3) is formed on at least one part of the surface of the slab, and the cooling liquid is caused to flow over the surface of the slab in the direction of progression of the latter. The casting speed is greater than 3 m/min and is preferably between 6 m/min and 20 m/min. The slab is cooled, during the secondary cooling, to a surface temperature which is less than 800 DEG C and preferably less than 600 DEG C. The thin slab may be directly hot-rolled. <IMAGE>

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IPC 8 full level

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