

Title (en)

Process for continuous casting slabs, especially thin slabs, and device for carrying out the process

Title (de)

Verfahren zum Stranggiessen von Brammen, insbesondere von Dünnbrammen, sowie eine Vorrichtung zu dessen Durchführung

Title (fr)

Procédé pour la coulée continue de brames, en particulier de brames minces, et dispositif de mise en oeuvre du procédé

Publication

EP 1103322 B1 20050330 (DE)

Application

EP 00123615 A 20001028

Priority

DE 19956577 A 19991125

Abstract (en)

[origin: EP1103322A1] Process for continuously casting blocks, billets and thin slabs having a thickness of 20-150 mm and a width of 600-3500 mm comprise determining the local temperature and heat current densities in the meniscus region critical for the surface quality of a slab; and maintaining the working temperature of the mold plates in the meniscus region in a prescribed temperature region by adjusting the operating temperature, the amount and/or flow-through speed of the cooling water through the mold, the casting speed and the casting powder. An Independent claim is also included for an apparatus for carrying out the process.

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IPC 8 full level

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CPC (source: EP US)

B22D 2/006 (2013.01 - EP US); **B22D 11/165** (2013.01 - EP US); **B22D 11/22** (2013.01 - EP US)

Cited by

EP4091737A1; WO2014095137A1; CN104399928A; CN102059332A; CN102397999A; CN103745095A; DE102012224132A1; US8162030B2; WO2016029901A1; WO2008052689A1; US10052684B2; WO03028921A3

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