

Title (en)

METHOD AND DEVICE FOR CONTINUOUS CASTING

Title (de)

VERFAHREN UND ANLAGE ZUM KONTINUIERLICHEN STRANGGIESSEN

Title (fr)

PROCEDE ET DISPOSITIF DE COULEE CONTINUE

Publication

**EP 1018382 A1 20000712 (EN)**

Application

**EP 99922589 A 19990528**

Priority

- JP 9902879 W 19990528
- JP 15718798 A 19980605

Abstract (en)

A continuous casting device comprising (i) a non-rolling area 400 to 1,000 mm long which is disposed immediately below a mold, the mold having an aperture which is 50 to 120 mm wide at its outlet, (ii) a group of rollers for rolling a cast strip in an unsolidified state, the group of rollers being provided in the downstream of the non-rolling area, and (iii) a group of rollers for rolling the cast strip further in a semisolidified state that there is no flow of melted steel in its central portion but it has not completely solidified yet. The cast strip, which is 50 to 120 mm in thickness at the outlet of the mold, is rolled in the unsolidified state and further rolled in the semisolidified state to be reduced to thickness of 40 mm or less. Cast strips can be rolled thinner than those by the conventional unsolidified rolling method. Besides, better quality of cast strips is attained. <IMAGE>

IPC 1-7

**B22D 11/128**; **B22D 11/20**

IPC 8 full level

**B22D 11/12** (2006.01); **B22D 11/128** (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP)

**B22D 11/1206** (2013.01)

Citation (search report)

See references of WO 9964189A1

Cited by

US8162033B2; WO2008046507A1

Designated contracting state (EPC)

AT DE IT

DOCDB simple family (publication)

**WO 9964189 A1 19991216**; EP 1018382 A1 20000712; JP 3314036 B2 20020812; JP H11347700 A 19991221

DOCDB simple family (application)

**JP 9902879 W 19990528**; EP 99922589 A 19990528; JP 15718798 A 19980605