

Title (en)

Method and apparatus for shaping the casting region in a twin-belt continuous casting machine.

Title (de)

Verfahren und Einrichtung zur Gestaltung des Giessbereichs einer aus zwei endlosen Bändern bestehenden Stranggiessmaschine.

Title (fr)

Procédé et dispositif pour former la zone du coulage d'une installation de coulée continue avec deux bandes sans fin.

Publication

EP 0081848 A2 19830622 (EN)

Application

EP 82111600 A 19821214

Priority

- US 33072681 A 19811214
- US 33072781 A 19811214

Abstract (en)

Method and system are provided for continuously casting metal product (P) directly from molten metal (125) in which the molten metal (125) is confined and solidified in a casting region (C or CB) defined above and below by upper and lower, cooled, endless, flexible, traveling, casting belts (12, 14) supported by belt support systems including back-up rollers (133, 107, 34, 134, 108) in respective upper and lower belt carriages (U, L) and laterally defined by first and second traveling side dams, in which the flexible back-up rollers (133, 107, 34, 134, 108) and belt support systems shape and maintain the casting region (C or CB) for improved heat transfer and improved product uniformity and enhanced machine performance. Contact between the casting belts (12, 14) and the cast product (P) is maintained at an acceptable pressure, and the cast product (P) is produced with substantially uniform transverse cross section.

IPC 1-7

B22D 11/06

IPC 8 full level

B22D 11/06 (2006.01)

CPC (source: EP)

B22D 11/0677 (2013.01)

Cited by

FR2775916A1; US4614218A; US2014041824A1; US8944306B2; WO9947293A1; WO9747414A3

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0081848 A2 19830622; EP 0081848 A3 19830817; EP 0081848 B1 19860226; AU 555258 B2 19860918; AU 9148182 A 19830623; BR 8207225 A 19831018; CA 1192373 A 19850827; DE 3269518 D1 19860403; ES 518190 A0 19831201; ES 8400903 A1 19831201; NO 157489 B 19871221; NO 157489 C 19880330; NO 824188 L 19830615

DOCDB simple family (application)

EP 82111600 A 19821214; AU 9148182 A 19821214; BR 8207225 A 19821213; CA 417310 A 19821209; DE 3269518 T 19821214; ES 518190 A 19821214; NO 824188 A 19821213