

Title (en)

Process for the production of continuously cast steel products

Title (de)

Verfahren zum Herstellen von stranggegossenen Stahlerzeugnissen

Title (fr)

Procédé pour la production d'un produit en acier coulé en continu

Publication

EP 1050355 B1 20060111 (DE)

Application

EP 00108747 A 20000422

Priority

DE 19921296 A 19990507

Abstract (en)

[origin: EP1050355A2] The continuous casting operation uses a soft reduction action on the molten core of the cast material. The shaping section u only a pair of rollers (23) with the pull forces (Z) on the cast material as the control value. The comparison between nominal a actual values is used to set the ratio between the position of the paired rollers (23) and the peak (S) of the soft zone, so tha the cast strand is hardened throughout directly in the roller gap between the two rollers (24,25).

IPC 8 full level

B22D 11/128 (2006.01); **B22D 11/20** (2006.01); **B22D 11/12** (2006.01); **B22D 11/16** (2006.01)

CPC (source: EP KR)

B22D 11/04 (2013.01 - KR); **B22D 11/1206** (2013.01 - EP); **B22D 11/1282** (2013.01 - EP); **B22D 11/1287** (2013.01 - KR);
B21B 1/463 (2013.01 - EP); **B21B 2201/14** (2013.01 - EP)

Cited by

US10076783B2; CN106232263A; EP3144080A4; EP3549695A1; US10618107B2; US10183325B2; US10189077B2; US10207316B2

Designated contracting state (EPC)

AT CH DE IT LI

DOCDB simple family (publication)

EP 1050355 A2 20001108; **EP 1050355 A3 20010328**; **EP 1050355 B1 20060111**; AT E315449 T1 20060215; BR 0002396 A 20010102;
CA 2307817 A1 20001107; CN 1188234 C 20050209; CN 1273148 A 20001115; DE 19921296 A1 20001109; DE 50012037 D1 20060406;
JP 2000326060 A 20001128; KR 100707785 B1 20070413; KR 20000077170 A 20001226; MX PA00004353 A 20020312

DOCDB simple family (application)

EP 00108747 A 20000422; AT 00108747 T 20000422; BR 0002396 A 20000505; CA 2307817 A 20000508; CN 00108242 A 20000430;
DE 19921296 A 19990507; DE 50012037 T 20000422; JP 2000132334 A 20000501; KR 20000024168 A 20000506; MX PA00004353 A 20000504