

Title (en)
DEVICE FOR THE CONTINUOUS CASTING OF METALS, ESPECIALLY STEEL, FOR USE IN A SOLIDIFIED-BENDING METHOD

Title (de)
VORRICHTUNG ZUM STRANGGIESSEN VON METALLEN, INSBESONDERE VON STAHL, FÜR DAS SOLIDIFIED-BENDING-VERFAHREN

Title (fr)
DISPOSITIF PERMETTANT LA COULEE CONTINUE DE METAUX, NOTAMMENT D'ACIER, DANS LE CADRE DU PROCEDE DE FLEXION SOLIDE

Publication
EP 1328363 B1 20040414 (DE)

Application
EP 01986279 A 20010922

Priority
• DE 10049445 A 20001006
• EP 0110968 W 20010922

Abstract (en)
[origin: WO0228570A2] The invention relates to a device for the continuous casting of metals, especially steel, for use in a solidified-bending method. Said device comprises, downstream of the continuous casting mold, a straight strand guide (1) and a bending device (3) that releases the cast strand path (2a) so that the cold strand (5) can be introduced. The aim of the invention is to utilize the height of the device that has so far not been used for supporting the strand or to reduce the height of the entire installation. To this end, the bending device (3) comprises a folding segment (9) that is pivoted on the fixed side (1a) and that is provided with a row of rollers (10) that limit the bending path (3c) in the operational position. The bending device further comprises on the loose side (1b) a loose element (11) that can be swiveled into the operational position (3b) or that can be swiveled out from this position. The bending rollers (3a) of said batch element form the counter-rollers (3d) to the row of rollers (10) in the operational position (3b).

IPC 1-7
B22D 11/14; **B22D 11/12**; **B22D 11/128**

IPC 8 full level
B22D 11/12 (2006.01); **B22D 11/128** (2006.01); **B22D 11/14** (2006.01)

CPC (source: EP KR US)
B22D 11/12 (2013.01 - EP US); **B22D 11/1282** (2013.01 - EP US); **B22D 11/14** (2013.01 - KR); **B22D 11/141** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0228570 A2 20020411; **WO 0228570 A3 20020627**; AT E264150 T1 20040415; AU 2161902 A 20020415; CN 1222383 C 20051012; CN 1468157 A 20040114; DE 10049445 A1 20020418; DE 50102014 D1 20040519; EP 1328363 A2 20030723; EP 1328363 B1 20040414; JP 2004510586 A 20040408; KR 100817175 B1 20080327; KR 20030036780 A 20030509; RU 2272694 C2 20060327; UA 74015 C2 20051017; US 2004045695 A1 20040311; US 6810942 B2 20041102

DOCDB simple family (application)
EP 0110968 W 20010922; AT 01986279 T 20010922; AU 2161902 A 20010922; CN 01816972 A 20010922; DE 10049445 A 20001006; DE 50102014 T 20010922; EP 01986279 A 20010922; JP 2002532386 A 20010922; KR 20037003624 A 20030312; RU 2003112971 A 20010922; UA 2003054055 A 20010922; US 39834603 A 20031010