

Title (en)
DEVICE FOR CONTINUOUSLY CASTING METALS, ESPECIALLY STEEL

Title (de)
VORRICHTUNG ZUM STRANGGIESSEN VON METALLEN, INSBESONDERE VON STAHL

Title (fr)
DISPOSITIF DE COULEE CONTINUE DE METAUX, NOTAMMENT D'ACIER

Publication
EP 1313580 B1 20070307 (DE)

Application
EP 01958016 A 20010725

Priority
• DE 10040271 A 20000817
• EP 0108572 W 20010725

Abstract (en)
[origin: US6913065B2] A device for continuously casting metals, especially steel, consists of multipleconsecutive segments (1) which each form the strand guide for casting strands of different widths (4), with roller pairs (2). The rollers are rotationally mounted on segment frames (5; 6), these segment frames (5; 6) each being braced with strand guide frames (10) on both sides. The aim of the invention is to reduce profile increases in the cross-section of the casting strand (4 d) in the residual solidification area (4 b), by providing a power mechanism (13) at least on the fixed side of the segment frame (5) of a segment (1), between the segment frame (5) and a transversal member (11) connecting the strand guide frames (10) on the two sides. Said power mechanism is situated approximately on the middle strand axis. The power transmission element (13 a) of the power mechanism acts upon the segment frame (5), while its base (13 b) is supported on the transversal member (11).

IPC 8 full level
B22D 11/128 (2006.01)

CPC (source: EP KR US)
B22D 11/128 (2013.01 - EP KR 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 0213994 A1 20020221; AT E355920 T1 20070315; AU 7978201 A 20020225; CN 1208156 C 20050629; CN 1447727 A 20031008; DE 10040271 A1 20020228; DE 50112167 D1 20070419; EP 1313580 A1 20030528; EP 1313580 B1 20070307; JP 2004505782 A 20040226; KR 100829026 B1 20080514; KR 20030036693 A 20030509; RU 2261779 C2 20051010; UA 73602 C2 20050815; US 2004026065 A1 20040212; US 6913065 B2 20050705

DOCDB simple family (application)
EP 0108572 W 20010725; AT 01958016 T 20010725; AU 7978201 A 20010725; CN 01814182 A 20010725; DE 10040271 A 20000817; DE 50112167 T 20010725; EP 01958016 A 20010725; JP 2002519121 A 20010725; KR 20037002079 A 20030213; RU 2003107050 A 20010725; UA 2003032257 A 20010725; US 34482403 A 20030619