

Title (en)
CONTINUOUS CASTING DEVICE AND METHOD FOR USING SAME

Title (de)
STRANGGUSSVORRICHTUNG UND VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)
DISPOSITIF DE COULÉE EN CONTINU ET PROCÉDÉ POUR SON UTILISATION

Publication
EP 3012042 A4 20160608 (EN)

Application
EP 13887269 A 20130620

Priority
JP 2013066973 W 20130620

Abstract (en)
[origin: EP3012042A1] A continuous casting machine includes: a mold; a dummy bar curved at a uniform curvature in a longitudinal direction and configured to be inserted into the mold to receive molten steel when casting is started; guide rolls configured to guide, downward along a circular path, the dummy bar and a cast piece that have been drawn out of the mold, the circular path passing through the mold and having the curvature radius; a delivery portion configured to deliver, in a tangential direction of the circular path, the cast piece separated from the dummy bar at a bottom portion of the circular path; and a guide mechanism configured to allow the dummy bar separated from the cast piece to move along the circular path and configured to insert the dummy bar into the mold from above the mold.

IPC 8 full level
B22D 11/043 (2006.01)

CPC (source: EP)
B22D 11/1282 (2013.01)

Citation (search report)

- [X] US 4150710 A 19790424 - JOHN WOLFGANG W [US]
- [X] US 3800849 A 19740402 - KNELL B, et al
- [A] US 2011094704 A1 20110428 - ROMBS STEFAN [DE], et al
- [A] US 4382462 A 19830510 - PIETRYKA JOSEPH [FR], et al
- [A] JP S55139153 A 19801030 - KOBE STEEL LTD
- [AD] US 5131453 A 19920721 - ROS NAVARRO CARLOS [ES], et al
- See references of WO 2014203375A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3012042 A1 20160427; EP 3012042 A4 20160608; EP 3012042 B1 20180502; CN 105307797 A 20160203; CN 105307797 B 20170908; JP 6047657 B2 20161221; JP WO2014203375 A1 20170223; KR 101792094 B1 20171101; KR 20160009673 A 20160126; TR 201807472 T4 20180621; WO 2014203375 A1 20141224

DOCDB simple family (application)
EP 13887269 A 20130620; CN 201380077606 A 20130620; JP 2013066973 W 20130620; JP 2015522437 A 20130620; KR 20157035699 A 20130620; TR 201807472 T 20130620