

Title (en)
Dummy bar head seal system in a mould of a bar casting assembly for casting large-scale preliminary forms

Title (de)
Kaltstrangkopf-Abdichtsystem in einer Kokille einer Stranggiessanlage zum Giessen grossformatiger Vorprofile

Title (fr)
Système d'étanchéité d'une tête de fausse barre dans une coquille d'une installation de coulée continue pour couler des ébauches de profilés de grand format

Publication
EP 2127780 B1 20121205 (DE)

Application
EP 08009465 A 20080523

Priority
EP 08009465 A 20080523

Abstract (en)
[origin: EP2127780A1] The dummy bar head-sealing system in a mould (3) of a bar casting plant, comprises a flat gasket (6) sealing a column between the dummy bar head (1) and the mould, and/or a packaging plate (7, 8) holding the flat gasket at the dummy bar head. The packaging plate has a cross-sectional form of the mould profile and covers the flat gasket. The packaging plate comprises two symmetrical disk halves lying to each other in a plain. The disk halves are relocatable to mould middle and are separated from one another in an interval, whose width is dependent of the conicity of the mould. The dummy bar head-sealing system in a mould (3) of a bar casting plant, comprises a flat gasket (6) sealing a column between the dummy bar head (1) and the mould, and/or a packaging plate (7, 8) holding the flat gasket at the dummy bar head. The packaging plate has a cross-sectional form of the mould profile and covers the flat gasket. The packaging plate comprises two symmetrical disk halves lying to each other in a plain. The disk halves are relocatable to mould middle and are separated from one another in an interval, whose width is dependent of the conicity of the mould. The flat gasket safely projects to the packaging plate, exists between the packaging plate and the mould and forms a safe sealing. One of the two packaging plates is mounted on the dummy bar head. The packaging plate is mounted against the dummy bar head with tie rods. The plate halves of the packaging plates are equipped with through-bores formed as apart slots for the tie rods. The packaging plate is equipped with a strengthening rib (23) passing in longitudinal direction.

IPC 8 full level
B22D 11/08 (2006.01)

CPC (source: EP KR US)
B22D 11/08 (2013.01 - KR); **B22D 11/083** (2013.01 - EP US); **B22D 11/088** (2013.01 - EP US); **B22D 11/20** (2013.01 - KR)

Cited by
WO2012000830A1; DE102023210885A1; WO2024094846A1; DE102021213770A1; WO2023099141A1

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

DOCDB simple family (publication)
EP 2127780 A1 20091202; EP 2127780 B1 20121205; BR PI0901609 A2 20110125; CA 2666451 A1 20091123; CN 101585076 A 20091125; CN 101585076 B 20140423; ES 2400704 T3 20130411; JP 2009279655 A 20091203; JP 5161151 B2 20130313; KR 20090122152 A 20091126; MX 2009005402 A 20091126; RU 2009119554 A 20101127; RU 2496602 C2 20131027; TW 200948511 A 20091201; UA 102814 C2 20130827; US 2010132909 A1 20100603; US 8151864 B2 20120410; ZA 200903355 B 20100331

DOCDB simple family (application)
EP 08009465 A 20080523; BR PI0901609 A 20090525; CA 2666451 A 20090521; CN 200910203886 A 20090522; ES 08009465 T 20080523; JP 2009125110 A 20090525; KR 20090045064 A 20090522; MX 2009005402 A 20090521; RU 2009119554 A 20090522; TW 98116321 A 20090515; UA A200905101 A 20090522; US 46980409 A 20090521; ZA 200903355 A 20090515