

Title (en)
Blocking element, roll line & continuous casting apparatus

Title (de)
Sperrelement, Rollleitung und Stranggießvorrichtung

Title (fr)
Élément de blocage, ligne de rouleau et appareil de coulée continue

Publication
EP 2682204 A2 20140108 (EN)

Application
EP 13003268 A 20130627

Priority
SE 1200410 A 20120704

Abstract (en)
Blocking element (25) for a roll mantle (28) of a roll line (20) of a continuous casting apparatus comprising a rotatable shaft (24) having a coolant line (30), whereby the roll mantle (28) is arranged to be supported on said rotatable shaft (24) in a rotationally fixed manner. The roll mantle (28) comprises at least one coolant channel (32) arranged to be in fluid communication with said coolant line (30), which coolant channel (32) has at least one fluid inlet (36) and at least one fluid outlet (42). The blocking element (25) is arranged to supply coolant to said at least one fluid inlet (36) and to receive coolant from said at least one coolant outlet (42).

IPC 8 full level
B22D 11/128 (2006.01)

CPC (source: BR EP KR)
B22D 11/06 (2013.01 - KR); **B22D 11/128** (2013.01 - KR); **B22D 11/1287** (2013.01 - BR EP)

Citation (applicant)
EP 1646463 A1 20060419 - VOEST ALPINE IND ANLAGEN [AT]

Cited by
US11285530B2; US11766714B2; WO2023169747A1

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 2682204 A2 20140108; **EP 2682204 A3 20171101**; **EP 2682204 B1 20201104**; BR 102013017093 A2 20160913; CN 103521729 A 20140122; CN 103521729 B 20160406; KR 101505306 B1 20150323; KR 20140005094 A 20140114; RU 2013128350 A 20141227; RU 2553139 C2 20150610

DOCDB simple family (application)
EP 13003268 A 20130627; BR 102013017093 A 20130702; CN 201310394720 A 20130704; KR 20130076879 A 20130702; RU 2013128350 A 20130620