

Title (en)
ROLLER DEVICE

Title (de)
ROLLENEINRICHTUNG

Title (fr)
SYSTÈME DE ROULEAUX

Publication
EP 2571642 B1 20170726 (DE)

Application
EP 11721014 A 20110511

Priority
• DE 102011003194 A 20110126
• DE 102010020937 A 20100519
• EP 2011057570 W 20110511

Abstract (en)
[origin: CA2803119A1] The invention relates to a roller device (1), in particular for forming a strand guiding section (100) of a casting machine, comprising a cross beam (30) and at least one roller element (10) supported on the cross beam (30) by means of a roller bearing (20, 22), wherein guiding means for at least three different media are provided in the cross beam (30).

IPC 8 full level
B22D 11/128 (2006.01)

CPC (source: EP KR US)
B22D 11/00 (2013.01 - US); **B22D 11/128** (2013.01 - KR); **B22D 11/1287** (2013.01 - EP US)

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

DOCDB simple family (publication)
DE 102011003194 A1 20111124; BR 112012029401 A2 20160726; BR 112012029401 B1 20180206; CA 2803119 A1 20111124; CA 2803119 C 20150127; CN 103025457 A 20130403; CN 103025457 B 20150506; EP 2571642 A1 20130327; EP 2571642 B1 20170726; JP 2013526413 A 20130624; JP 5449619 B2 20140319; KR 101517163 B1 20150504; KR 20130024925 A 20130308; RU 2012154959 A 20140627; RU 2538451 C2 20150110; TW 201208958 A 20120301; US 2013146244 A1 20130613; WO 2011144505 A1 20111124

DOCDB simple family (application)
DE 102011003194 A 20110126; BR 112012029401 A 20110511; CA 2803119 A 20110511; CN 201180035640 A 20110511; EP 11721014 A 20110511; EP 2011057570 W 20110511; JP 2013510569 A 20110511; KR 20127032002 A 20110511; RU 2012154959 A 20110511; TW 100116609 A 20110512; US 201113698740 A 20110511