Title (en)

TRANSPORT DEVICE AND USE THEREOF

Title (de)

TRANSPORTVORRICHTUNG SOWIE DEREN VERWENDUNG

Title (fr)

DISPOSITIF DE TRANSPORT AINSI QUE SON UTILISATION

Publication

EP 2986404 A1 20160224 (DE)

Application

EP 13718078 A 20130416

Priority

CH 2013000063 W 20130416

Abstract (en)

[origin: WO2014169397A1] The invention relates to transport device, particularly for transporting cooling blocks (5) in a caterpillar-type mould casting machine, wherein the transport device comprises: a plurality of rolling elements (4) which circulate continuously on a circulating path U in the manner of a caterpillar tack and can be driven by a driving device (33); at least two parallel guide paths (20), each of which comprises one or more roller running surfaces (12a, 12b) and each of which extends over the entire orbit U; wherein each rolling element (4) comprises a rolling element body (34), which has a first end (35) and a second end (36) in the circulation direction; each rolling element (4) comprises at least one roller (10) in the area of the first end (35) and in the area of the second end (36); and the rollers (10) arranged in the area of the first end (35) of the rolling element bodies (34) roll over roller running surfaces (12a, 12b) different from those of the rollers (10) arranged arranged in the area of the second end (36) of the rolling element bodies (34).

IPC 8 full level

B22D 11/06 (2006.01); **B22D 11/128** (2006.01)

CPC (source: EP MX RU US)

B22D 11/0608 (2013.01 - EP MX US); **B22D 11/0688** (2013.01 - EP US); **B22D 11/1284** (2013.01 - EP MX US); B22D 11/06 (2013.01 - RU)

Citation (search report)

See references of WO 2014169397A1

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)

WO 2014169397 A1 20141023; AU 2013386808 A1 20151112; BR 112015025588 A2 20170718; BR 112015025588 B1 20190409; CA 2908615 A1 20141023; CN 105209193 A 20151230; CN 105209193 B 20171222; EP 2986404 A1 20160224; EP 2986404 B1 20171129; EP 2986404 B9 20180530; HK 1217469 A1 20170113; JP 2016516586 A 20160609; JP 6220445 B2 20171025; KR 20160005711 A 20160115; MX 2015014253 A 20160720; RU 2015148774 A 20170522; RU 2627827 C2 20170811; US 2017157666 A1 20170608; US 9849503 B2 20171226; ZA 201507720 B 20191218

DOCDB simple family (application)

CH 2013000063 W 20130416; AU 2013386808 A 20130416; BR 112015025588 A 20130416; CA 2908615 A 20130416; CN 201380075714 A 20130416; EP 13718078 A 20130416; HK 16105630 A 20160517; JP 2016507963 A 20130416; KR 20157032557 A 20130416; MX 2015014253 A 20130416; RU 2015148774 A 20130416; US 201314784425 A 20130416; ZA 201507720 A 20151015