

Title (en)

MOTOR-DRIVEN CONVEYING ROLLER COMPRISING A COOLING SLEEVE PRESSED INTO THE DRUM TUBE

Title (de)

MOTORBETRIEBENE FÖRDERROLLE MIT IN DAS TROMMELROHR EINGEPRESSTER KÜHLHÜLSE

Title (fr)

ROULEAU DE TRANSPORT ENTRAÎNÉ PAR MOTEUR AVEC MANCHON DE REFROIDISSEMENT ENFONCÉ DANS LE TUBE DE TAMBOUR

Publication

**EP 3504137 A2 20190703 (DE)**

Application

**EP 18766191 A 20180905**

Priority

- DE 102017121486 A 20170915
- EP 2018073849 W 20180905

Abstract (en)

[origin: WO2019052871A2] The invention relates to a motor-driven conveying roller (1) for conveying systems for conveying containers, pallets and the like, comprising a drum tube (2) having a cavity formed therein and a longitudinal axis (A), a shaft (4) running in the longitudinal axis (A) and on which the drum tube (2) is mounted by means of at least one rotary bearing (6), and an electric drive unit (14) arranged in the cavity. The invention is characterized by a cooling sleeve (30) which is fastened radially internally to the drum tube (2) and surrounds at least partially the drive unit (14) in a radial manner, so that a radial air gap (S) is formed between drive unit (14) and cooling sleeve (30). The invention further relates to a production method for such a conveying roller.

IPC 8 full level

**B65G 23/08** (2006.01); **H02K 7/10** (2006.01); **H02K 9/00** (2006.01)

CPC (source: EP KR US)

**B65G 13/06** (2013.01 - US); **B65G 23/08** (2013.01 - EP KR US); **B65G 39/02** (2013.01 - US); **B65G 39/07** (2013.01 - US); **H02K 7/1012** (2013.01 - EP KR); **H02K 9/02** (2013.01 - EP KR); **B65G 2812/02148** (2013.01 - KR)

Citation (examination)

US 8608457 B2 20131217 - COENRAETS BENOIT [BE]

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 2019052871 A2 20190321**; **WO 2019052871 A3 20190509**; BR 112020004779 A2 20200924; CA 3074888 A1 20190321; CA 3074888 C 20221206; CN 111295347 A 20200616; CN 111295347 B 20210907; DE 102017121486 A1 20190321; DE 102017121486 B4 20190523; EP 3504137 A2 20190703; EP 4230551 A2 20230823; EP 4230551 A3 20231101; JP 2020533252 A 20201119; JP 6999803 B2 20220210; KR 102379627 B1 20220328; KR 20200053583 A 20200518; US 11091321 B2 20210817; US 2020270065 A1 20200827

DOCDB simple family (application)

**EP 2018073849 W 20180905**; BR 112020004779 A 20180905; CA 3074888 A 20180905; CN 201880070321 A 20180905; DE 102017121486 A 20170915; EP 18766191 A 20180905; EP 23159977 A 20180905; JP 2020515214 A 20180905; KR 20207010870 A 20180905; US 201816646223 A 20180905