Title (en)

MOVEMENT TRANSMISSION DEVICE, IN PARTICULAR FOR A ROBOT ARM

Title (de)

BEWEGUNGSÜBERTRAGUNGSVORRICHTUNG, INSBESONDERE FÜR EINEN ROBOTERARM

Title (fr)

DISPOSITIF DE TRANSMISSION DE MOUVEMENT NOTAMMENT POUR BRAS DE ROBOT

Publication

EP 3271613 A1 20180124 (FR)

Application

EP 16718391 A 20160314

Priority

- FR 1500512 A 20150316
- FR 1570050 A 20151006
- FR 2016050562 W 20160314

Abstract (en)

[origin: CN107667234A] The device comprises a shaft 4, a notched mobile member - for example a wheel 1 - and at least three arms 2.1, 2.2, 2.3 that together transmit movement between the shaft 4 and the mobile member. Eacharm is hinged to two eccentric bearings 3, 3' that hold same parallel to said arm, regardless of the rotational angle of the shaft 4 with which they rotate synchronously. Each arm engages with the notches of the wheel 1 during at least a portion of the cyclic motion of same, by means of at least one tooth 7 of the arm, in such a way as to ensure mutual displacement. The bearings 3, 3' are arrangedsuch that at least one of the arms engages with the mobile member, regardless of the rotational angle of the shaft 4. Said device can be used for producing low-clearance speed reducers.

IPC 8 full level

F16H 25/06 (2006.01); **F16H 27/04** (2006.01); **F16H 27/08** (2006.01); **F16H 29/12** (2006.01)

CPC (source: CN EP US)

B25J 9/102 (2013.01 - US); **F16H 27/04** (2013.01 - CN EP US); **F16H 29/12** (2013.01 - CN EP US); F16H 19/04 (2013.01 - EP); F16H 25/06 (2013.01 - CN EP US); F16H 27/08 (2013.01 - CN EP US)

Citation (search report)

See references of WO 2016146927A1

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)

FR 3033861 A1 20160923; CN 107667234 A 20180206; CN 107667234 B 20201009; EP 3271613 A1 20180124; FR 3033862 A1 20160923; FR 3033862 B1 20190419; JP 2018512550 A 20180517; JP 6781444 B2 20201104; US 10307907 B2 20190604; US 2018079072 A1 20180322

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