

Title (en)

METHOD FOR CHECKING THE CONFIGURATION SAFETY OF A COUPLING DEVICE

Title (de)

VERFAHREN ZUR ÜBERPRÜFUNG DER KONFIGURATIONSSICHERHEIT EINER KUPPLUNGSVORRICHTUNG

Title (fr)

PROCEDE DE CONTROLE SECURITAIRE DE LA CONFIGURATION D'UN DISPOSITIF D'ACCOUPLEMENT

Publication

EP 3426952 A1 20190116 (FR)

Application

EP 17707368 A 20170125

Priority

- FR 1652009 A 20160310
- FR 2017050168 W 20170125

Abstract (en)

[origin: WO2017153645A1] Method for checking the configuration safety of a coupling device (8) for a gear box sliding gear (8c) that is rotationally connected to a drive input shaft (4) of the gearbox and is axially movable on the shaft, on either side of an intermediate neutral position, between two opposite positions of engagement with an idler pinion (6a, 7a), characterised in that a neutral configuration of the coupling device (8) is defined on the basis of a main information (F) relating to the position of the slider gear and its movement setting (C), in which position the transmission of the torque to the wheel is effectively stopped, and in that the start of synchronisation of the slider gear with a pinion (6a, 6b) is only allowed when the device (8) is in this configuration.

IPC 8 full level

F16H 61/28 (2006.01); **F16H 59/68** (2006.01); **F16H 61/04** (2006.01); **F16H 61/12** (2010.01); **F16H 63/50** (2006.01)

CPC (source: EP KR US)

F16H 59/68 (2013.01 - US); **F16H 61/0403** (2013.01 - US); **F16H 61/12** (2013.01 - US); **F16H 61/2807** (2013.01 - EP KR US); **F16H 63/50** (2013.01 - EP KR US); **F16H 2059/6807** (2013.01 - US); **F16H 2059/6823** (2013.01 - EP KR US); **F16H 2061/0422** (2013.01 - EP KR US); **F16H 2061/1212** (2013.01 - US); **F16H 2061/122** (2013.01 - EP KR US); **F16H 2306/48** (2013.01 - EP KR US); **Y02T 10/62** (2013.01 - EP)

Citation (search report)

See references of WO 2017153645A1

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 2017153645 A1 20170914; BR 112018013785 A2 20181211; CA 3016988 A1 20170914; CN 109154383 A 20190104; CN 109154383 B 20201218; EP 3426952 A1 20190116; FR 3048748 A1 20170915; FR 3048748 B1 20190426; JP 2019510939 A 20190418; JP 6771577 B2 20201021; KR 102142030 B1 20200806; KR 20180111985 A 20181011; MX 2018010662 A 20190130; RU 2018135572 A 20200410; RU 2018135572 A3 20200429; US 2019078684 A1 20190314

DOCDB simple family (application)

FR 2017050168 W 20170125; BR 112018013785 A 20170125; CA 3016988 A 20170125; CN 201780015788 A 20170125; EP 17707368 A 20170125; FR 1652009 A 20160310; JP 2018546623 A 20170125; KR 20187026154 A 20170125; MX 2018010662 A 20170125; RU 2018135572 A 20170125; US 201716082949 A 20170125