

Title (en)

PLANET CARRIER WITH INTEGRATED LUBRICANT SUPPLY

Title (de)

PLANETENTRÄGER MIT INTEGRIERTER SCHMIERSTOFFVERSORGUNG

Title (fr)

CAGE DE TRANSMISSION PLANÉTAIRE AVEC ALIMENTATION EN LUBRIFIANT INTÉGRÉE

Publication

**EP 3069051 A1 20160921 (DE)**

Application

**EP 14781901 A 20141010**

Priority

- DE 102013222847 A 20131111
- EP 2014071710 W 20141010

Abstract (en)

[origin: WO2015067429A1] The invention relates to a transmission, in particular for a wind turbine, comprising a transmission housing (3, 4, 13) and at least one planetary stage. The planetary stage has at least one planet carrier (2) with at least one first channel (14) for conducting lubricant, and the planet carrier (2) is rotatably mounted in the transmission housing (3) by means of at least one bearing (1), which can be a rotary bearing in particular. At least one part of the transmission housing (3), at least one part of the planet carrier (2), and at least one part of the bearing (1) form a cavity (16). According to the invention, the first channel (14) is designed such that lubricant can exit the first channel (14) into the cavity (16) so that at least one part of the lubricant reaches the bearing (1).

IPC 8 full level

**F16H 57/04** (2006.01)

CPC (source: EP US)

**F03D 15/00** (2016.05 - EP US); **F03D 15/10** (2016.05 - US); **F03D 80/70** (2016.05 - US); **F16H 1/28** (2013.01 - US); **F16H 57/043** (2013.01 - US); **F16H 57/0479** (2013.01 - EP US); **F16H 57/082** (2013.01 - US); **F05B 2260/40311** (2013.01 - EP US); **F05B 2260/98** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP US)

Citation (search report)

See references of WO 2015067429A1

Citation (examination)

- CN 202360732 U 20120801 - HARBIN DONGAN ENGINE GROUP CO
- JP 2011185283 A 20110922 - TOYOTA MOTOR CORP
- CN 200968409 Y 20071031 - NANJING HIGH SPEED GEAR MFG CO [CN]

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)

**DE 102013222847 A1 20150513**; CN 105705836 A 20160622; EP 3069051 A1 20160921; JP 2016536550 A 20161124; US 2016265651 A1 20160915; WO 2015067429 A1 20150514

DOCDB simple family (application)

**DE 102013222847 A 20131111**; CN 201480061466 A 20141010; EP 14781901 A 20141010; EP 2014071710 W 20141010; JP 2016552671 A 20141010; US 201415031773 A 20141010