

Title (en)

MAIN SHAFT FOR A TRANSMISSION OR COUNTERSHAFT FOR A TRANSMISSION

Title (de)

GETRIEBEHAUPTWELLE ODER GETRIEBEVORLEGEWELLE

Title (fr)

ARBRE SECONDAIRE OU ARBRE INTERMÉDIAIRE DE BOÎTE DE VITESSES

Publication

EP 2212570 A2 20100804 (DE)

Application

EP 08801934 A 20080909

Priority

- EP 2008007361 W 20080909
- DE 102007057194 A 20071128

Abstract (en)

[origin: WO2009068126A2] The aim of the invention is to provide an especially light-weight main shaft or countershaft for a transmission. The transmission of high torques, such as is the case for the main shaft or countershaft of a transmission, is problematic when the base of the shaft consists of a fiber composite material. A metal element (20, 22) is laminated into the base, a gear (28, 30) being force-lockable with the metal element (20, 22) in such a manner that high torques can be transmitted.

IPC 8 full level

F16C 3/02 (2006.01); **F16H 57/00** (2012.01)

CPC (source: EP US)

F16C 3/026 (2013.01 - EP US); **F16F 15/10** (2013.01 - EP US); **F16H 57/0018** (2013.01 - EP US); **Y10T 74/19** (2015.01 - US); **Y10T 74/19991** (2015.01 - US)

Citation (search report)

See references of WO 2009068126A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009068126 A2 20090604; **WO 2009068126 A3 20091126**; DE 102007057194 A1 20090610; EP 2212570 A2 20100804; JP 2011504989 A 20110217; JP 5519522 B2 20140611; US 2010307275 A1 20101209; US 8556739 B2 20131015

DOCDB simple family (application)

EP 2008007361 W 20080909; DE 102007057194 A 20071128; EP 08801934 A 20080909; JP 2010535250 A 20080909; US 74388708 A 20080909