

Title (en)  
HELICAL-TOOTHED GEAR UNIT, ELECTRICAL MACHINE

Title (de)  
SCHRÄG VERZAHNTES GETRIEBE, ELEKTRISCHE MASCHINE

Title (fr)  
ENGRENAGE À DENTURE OBLIQUE, MACHINE ÉLECTRIQUE

Publication  
**EP 2836385 A1 20150218 (DE)**

Application  
**EP 13712561 A 20130327**

Priority  
• DE 102012205995 A 20120412  
• EP 2013056575 W 20130327

Abstract (en)  
[origin: WO2013152955A1] The invention relates to a helical-toothed gear unit (9), particularly for an electrical machine (1), comprising a drive shaft (12) on which a helical-toothed drive pinion (5), particularly a worm (11), is non-rotatably mounted, and comprising an output pinion (15), particularly a worm wheel (13), that is arranged on an output shaft (14) and is engaged with the drive pinion (5). According to the invention, the output pinion (5) is connected by means of a freewheel device (17) to the output shaft (14), the freewheel device (17) being designed to be at least substantially controlled by a rotational direction. The invention further relates to an electrical machine.

IPC 8 full level  
**B60K 17/26** (2006.01)

CPC (source: EP)  
**F16D 7/044** (2013.01); **F16D 41/185** (2013.01); **F16D 43/2024** (2013.01); **F16H 1/16** (2013.01); **H02K 7/081** (2013.01); **H02K 7/108** (2013.01); **H02K 7/1166** (2013.01); **F16H 31/00** (2013.01); **H02K 7/1185** (2013.01)

Citation (search report)  
See references of WO 2013152955A1

Citation (examination)  
DE 10356976 A1 20040916 - PORSCHE AG [DE]

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 102012205995 A1 20131017**; CN 104203626 A 20141210; CN 104203626 B 20171208; EP 2836385 A1 20150218; WO 2013152955 A1 20131017

DOCDB simple family (application)  
**DE 102012205995 A 20120412**; CN 201380019437 A 20130327; EP 13712561 A 20130327; EP 2013056575 W 20130327