

Title (en)
BALL SCREW OF AN ELECTROMECHANICAL POWER STEERING SYSTEM HAVING AN INTEGRATED ANGULAR-CONTACT BALL BEARING

Title (de)
KUGELGEWINDETRIEB EINER ELEKTROMECHANISCHEN SERVOLENKUNG MIT INTEGRIERTEM SCHRÄGKUGELLAGER

Title (fr)
VIS À BILLES D'UNE DIRECTION ASSISTÉE ÉLECTROMÉCANIQUE, MUNIE D'UN ROULEMENT À BILLES À CONTACT OBLIQUE

Publication
EP 3475147 A1 20190501 (DE)

Application
EP 17731905 A 20170622

Priority
• DE 102016007541 A 20160622
• EP 2017065361 W 20170622

Abstract (en)
[origin: WO2017220715A1] The invention relates to an electromechanical power steering system (1), in particular for a motor vehicle, comprising a servomotor (9), which drives an axially movable component (6) by means of a ball nut (13) rotatably mounted in a bearing (15), wherein the ball nut (13) is in engagement with a threaded spindle (6") formed on the component (6), wherein the bearing (15) is a two-row angular-contact ball bearing having a one-piece inner bearing ring (16).

IPC 8 full level
B62D 5/04 (2006.01); **F16H 25/24** (2006.01)

CPC (source: EP US)
B62D 5/0448 (2013.01 - EP US); **F16C 19/183** (2013.01 - EP US); **F16H 25/2214** (2013.01 - EP US); **F16H 2025/2096** (2013.01 - EP US)

Citation (search report)
See references of WO 2017220715A1

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 102016007541 A1 20171228; CN 109311507 A 20190205; CN 109311507 B 20220329; EP 3475147 A1 20190501; US 2019263443 A1 20190829; WO 2017220715 A1 20171228

DOCDB simple family (application)
DE 102016007541 A 20160622; CN 201780038408 A 20170622; EP 17731905 A 20170622; EP 2017065361 W 20170622; US 201716309543 A 20170622