

Title (en)
Variable cam phaser apparatus

Title (de)
Variable Nockenstellvorrichtung

Title (fr)
Appareil déphaseur à came variable

Publication
EP 2017436 A1 20090121 (EN)

Application
EP 07252466 A 20070616

Priority
EP 07252466 A 20070616

Abstract (en)
An electrically actuated cam phaser apparatus for transferring a driving torque from a drive member (1) to a driven member (2) and for selectively adjusting the angular relationship between the drive and driven members, wherein the cam phaser includes an actuator (4) comprising a single phase brushless electric motor having a rotor and a stator, whereby the rotor is rotatably driven by the drive member.

IPC 8 full level
F01L 1/34 (2006.01); **F01L 1/352** (2006.01)

CPC (source: EP)
F01L 1/34 (2013.01); **F01L 1/352** (2013.01); **F01L 2001/3521** (2013.01)

Citation (search report)

- [X] WO 03095803 A1 20031120 - INA SCHAEFFLER KG [DE], et al
- [X] US 2006124095 A1 20060615 - SCHAFFER JENS [DE], et al
- [X] WO 2004007919 A1 20040122 - INA SCHAEFFLER KG [DE], et al
- [X] EP 0918142 A2 19990526 - MAZDA MOTOR [JP]
- [X] WO 03071099 A1 20030828 - INA SCHAEFFLER KG [DE], et al
- [X] US 2005103299 A1 20050519 - SCHAFFER JENS [DE], et al
- [X] US 2005081809 A1 20050421 - TANI HIDEJI [JP]

Cited by
WO2014008988A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 2017436 A1 20090121

DOCDB simple family (application)
EP 07252466 A 20070616