

Title (en)
Locking mechanism for a camshaft phaser

Title (de)
Verriegelungsmechanismus für einen Nockenwellenversteller

Title (fr)
Mécanisme de blocage pour déphaseur d'arbre à cames

Publication
EP 2006499 A3 20081231 (EN)

Application
EP 07252293 A 20070607

Priority
EP 07252293 A 20070607

Abstract (en)
[origin: EP2006499A2] A locking means for a variable cam phaser (1) comprises a locking pin to maintain a relative angular orientation between a drive (2) and driven (3) members; biasing means (14) being provided for biasing said locking pin (10) to its locked position; a portion of the locking pin (10) being exposed to a chamber (22), said chamber (22) being selectively communicable with a source of pressurised fluid whereby pressurisation of said chamber (22) with high pressure fluid urges the locking pin (11) to its unlocked position; actuating means being provided for selectively placing said chamber (22) in fluid communication with said source of pressurised fluid.

IPC 8 full level
F01L 1/344 (2006.01)

CPC (source: EP)
F01L 1/3442 (2013.01)

Citation (search report)

- [XA] JP 2000227010 A 20000815 - UNISIA JECS CORP, et al
- [XA] US 2005252561 A1 20051117 - STRAUSS ANDREAS [DE], et al
- [X] WO 2006119463 A1 20061109 - BORGLANDER INC [US], et al
- [XA] EP 1531240 A1 20050518 - BORGLANDER INC [US]
- [XA] US 6799544 B1 20041005 - PIERIK RONALD J [US]
- [XA] DE 10162553 A1 20020814 - MITSUBISHI ELECTRIC CORP [JP]

Cited by
EP2224105A1; US8281756B2; US11230950B1; US11454142B2

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 2006499 A2 20081224; EP 2006499 A3 20081231

DOCDB simple family (application)
EP 07252293 A 20070607