

Title (en)
Rotor of a cam phaser

Title (de)
Rotor eines Nockenwellenverstellers

Title (fr)
Rotor d'un dispositif de réglage d'arbre à cames

Publication
EP 1811139 B1 20081008 (DE)

Application
EP 07100664 A 20070117

Priority
• DE 102006002599 A 20060118
• DE 102006019435 A 20060424

Abstract (en)
[origin: EP1811139A1] The rotor has a rotor core (7), from which blades (5) leave. A locking pin (9) is guided into an interlocking opening (11), such that the pin is extendable from the rotor by a rotor surface. The opening is a sliding hole that passes through one of the blades of the rotor and is provided with two different cross sections. The opening supports a casing (21) in sections, where the casing is fixedly inserted in the opening below a surface (13) of the rotor. An independent claim is also included for a method for manufacturing a rotor of a camshaft adjuster.

IPC 8 full level
F01L 1/344 (2006.01); **B22F 5/08** (2006.01)

CPC (source: EP)
B22F 5/08 (2013.01); **F01L 1/3442** (2013.01); **B22F 2003/247** (2013.01); **B22F 2998/10** (2013.01); **F01L 2001/34453** (2013.01); **F01L 2001/34456** (2013.01); **F01L 2001/34469** (2013.01); **F01L 2303/00** (2020.05)

Citation (examination)
EP 1762706 A2 20070314 - DELPHI TECH INC [US]

Cited by
CN105723056A; CN102705029A; WO2016030206A1; WO2015070846A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1811139 A1 20070725; EP 1811139 B1 20081008; AT E410587 T1 20081015; DE 102006019435 A1 20070719; DE 102006019435 B4 20100602; DE 502007000144 D1 20081120; ES 2314959 T3 20090316

DOCDB simple family (application)
EP 07100664 A 20070117; AT 07100664 T 20070117; DE 102006019435 A 20060424; DE 502007000144 T 20070117; ES 07100664 T 20070117