

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 A1 20070725 (DE)

Application
EP 07100664 A 20070117

Priority
• DE 102006002599 A 20060118
• DE 102006019435 A 20060424

Abstract (en)
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.

Abstract (de)
Die vorliegende Erfindung beschreibt einen neuen Rotor und ein entsprechendes Herstellverfahren für einen erfindungsgemäßen Rotor, bei dem eine Hülse als strukturelles Bauteil Ölführungsfunktionen neben Verriegelungsstiftlagerfunktionen übernimmt, wobei die Hülse mittels Presssitz in einem Flügel des Rotors oberflächenbündig einsetzbar ist.

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 (search report)
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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

Designated extension state (EPC)
AL BA HR MK YU

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