

Title (en)
ENGINE VALVE LIFTER ANTI-ROTATION DEVICE

Title (de)
MOTORVENTILHEBER MIT VERDREHSICHERUNG

Title (fr)
DISPOSITIF ANTI-ROTATION DE SOUPAPES DE MOTEUR

Publication
EP 3245390 A4 20180905 (EN)

Application
EP 16737880 A 20160114

Priority
• US 201562103387 P 20150114
• US 201562104121 P 20150116
• US 2016013409 W 20160114

Abstract (en)
[origin: WO2016115346A1] An engine roller lifter for use in a valve train of an internal combustion engine includes a body, an anti-rotation device and a clip. The body can have an outer peripheral surface configured for sliding movement in a bore provided in the engine. The body can define a receiving channel formed in the outer peripheral surface. The body can further define a slot formed at the receiving channel. The anti-rotation device can include a guide plug received in the receiving channel of the body. The guide plug can extend outwardly from the outer peripheral surface of the body. The guide plug can be configured to locate into a bore slot defined in a cylinder head of the internal combustion engine. The clip can be received by the slot and captured the guide plug in the receiving channel.

IPC 8 full level
F01L 1/14 (2006.01); **F01M 9/00** (2006.01); **F16B 21/10** (2006.01); **F16B 21/12** (2006.01); **F16B 21/18** (2006.01); **F16B 35/00** (2006.01)

CPC (source: CN EP US)
F01L 1/146 (2013.01 - CN EP US); **F01L 1/245** (2013.01 - US); **F01M 9/00** (2013.01 - EP US); **F01M 9/104** (2013.01 - EP US);
F01L 1/047 (2013.01 - EP US); **F01L 2001/2427** (2013.01 - CN EP US); **F01L 2001/256** (2013.01 - EP US); **F01L 2305/00** (2020.05 - CN EP US);
F01L 2307/00 (2020.05 - CN EP US); **F01L 2810/02** (2013.01 - CN EP US); **F16B 19/02** (2013.01 - EP US); **F16B 21/183** (2013.01 - EP US)

Citation (search report)
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• [A] DE 4128813 A1 19930304 - SCHAEFFLER WAE LZLAGER KG [DE]
• [A] US 4089234 A 19780516 - HENSON RALPH B, et al
• [A] JP S6066806 U 19850511
• See references of WO 2016115346A1

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

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WO 2016115346 A1 20160721; CN 107223180 A 20170929; EP 3245390 A1 20171122; EP 3245390 A4 20180905;
US 2017306810 A1 20171026

DOCDB simple family (application)
US 2016013409 W 20160114; CN 201680009603 A 20160114; EP 16737880 A 20160114; US 201715649111 A 20170713