

Title (en)

Cam follower roller device, notably for a fuel injection pump

Title (de)

Nockenstößelrollenvorrichtung, insbesondere für eine Kraftstoffeinspritzpumpe

Title (fr)

Dispositif de galet suiveur de came, notamment pour un pompe à injection de carburant

Publication

EP 2672116 A1 20131211 (EN)

Application

EP 12305653 A 20120607

Priority

EP 12305653 A 20120607

Abstract (en)

The cam follower roller device notably for fuel injection pump of an internal combustion engine, comprises a body 12, a shaft 14 mounted on the body and a roller 16 rotatably mounted on said shaft. At least one of the shaft and the roller is coated with an antifriction and/or wear resistance coating.

IPC 8 full level

F04B 1/04 (2006.01); **F01L 1/047** (2006.01); **F01L 1/245** (2006.01); **F02M 59/10** (2006.01); **F04B 9/04** (2006.01)

CPC (source: EP)

F01L 1/181 (2013.01); **F04B 1/0426** (2013.01); **F04B 9/042** (2013.01); **F01L 1/053** (2013.01); **F01L 1/14** (2013.01); **F01L 2301/00** (2020.05); **F01L 2305/02** (2020.05); **F01L 2810/02** (2013.01); **F02M 59/102** (2013.01); **F02M 2200/02** (2013.01); **F05C 2203/08** (2013.01); **F05C 2203/0808** (2013.01); **F05C 2251/14** (2013.01)

Citation (applicant)

- US 2008190237 A1 20080814 - RADINGER NORBERT [DE], et al
- EP 1015780 B1 20030319 - SKF ENG & RES CENTRE BV [NL]

Citation (search report)

- [XAYI] US 6213075 B1 20010410 - AJAYI OYELAYO O [US], et al
- [Y] US 4231267 A 19801104 - VAN SLOOTEN LOUIS J
- [XI] US 5816207 A 19981006 - KADOKAWA SATOSHI [JP], et al
- [A] US 5385124 A 19950131 - HILLEBRAND GEORGE A [US], et al
- [A] EP 1310577 A1 20030514 - HITACHI LTD [JP]
- [A] WO 2011036468 A2 20110331 - EDWARDS LTD [GB], et al

Cited by

FR3015598A1; FR3015597A1; US2016208902A1; CN105804823A; US9752669B2; US9562600B2; EP3045777B1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2672116 A1 20131211; EP 2672116 B1 20171018

DOCDB simple family (application)

EP 12305653 A 20120607