

Title (en)

ACTUATING DEVICE FOR DISPLACING A CAM UNIT

Title (de)

AKTORVORRICHTUNG ZUR VERSTELLUNG EINES SCHIEBENOCKENSYSTEMS

Title (fr)

ACTIONNEUR POUR DÉPLACER UNE ENSEMBLE DE CAMES

Publication

EP 2582928 A1 20130424 (DE)

Application

EP 11715538 A 20110420

Priority

- DE 102010024030 A 20100616
- EP 2011056295 W 20110420

Abstract (en)

[origin: WO2011157466A1] Actuator device of a sliding cam system, having at least one sliding cam (2) and having an engagement pin (9) which protrudes out of a housing (6), wherein the housing (6) can be fastened to a component of a cylinder head or to the cylinder head of an internal combustion engine, and it is possible for contact to be made with the engagement pin (9) by at least one groove (3) of the sliding cam system, which groove (3) has at least one ejection ramp (4), and wherein, within the housing (6), the engagement pin (9) has a permanent holding magnet (11) and, adjoining it, is controlled by a stationary coil core (9) which can be magnetized by an electric coil (7), and the engagement pin (9) is spring-loaded in the direction of the sliding cam (2), and wherein an actuating device is installed at least at that end region of the engagement pin (9) which faces the sliding cam (2), which actuating device is active in the region of the run-out of the ejection ramp (4) to the high circle (18) and generates an additional force on the engagement pin (9) in the direction of the housing (6).

IPC 8 full level

F01L 1/053 (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP US)

F01L 1/053 (2013.01 - EP US); **F01L 13/0036** (2013.01 - EP US); **H01F 7/1646** (2013.01 - EP US); **F01L 2013/0052** (2013.01 - EP US); **F01L 2820/031** (2013.01 - EP US)

Citation (search report)

See references of WO 2011157466A1

Cited by

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