

Title (en)

CONTROL ARRANGEMENT AND METHOD FOR CONTROLLING AN EXHAUST VALVE

Title (de)

STEUERANORDNUNG UND VERFAHREN ZUR STEUERUNG EINES AUSLASSVENTILS

Title (fr)

AGENCEMENT DE COMMANDE ET PROCÉDÉ DE COMMANDE D'UNE SOUPAPE D'ÉCHAPPEMENT

Publication

**EP 2941546 A1 20151111 (EN)**

Application

**EP 14700516 A 20140103**

Priority

- FI 20135017 A 20130107
- FI 2014050002 W 20140103

Abstract (en)

[origin: WO2014106688A1] The control arrangement and method allow an additional opening of a cam-driven exhaust valve (17) of an internal combustion engine for exhaust gas recirculation. Hydraulic fluid can be introduced into a hydraulic fluid chamber (11) that is arranged between a cam (2) and force transmission means (12, 18) and delimited by a piston (5) that is engaged with the force transmission means (12, 18) at least during the opening and closing movement of the exhaust valve (17). The cam (2) comprises a portion (2c) below the base circle (2a) of the cam (2), and engagement of a cam follower wheel (3) with the portion (2c) below the base circle (2a) is arranged to prevent outflow from the hydraulic fluid chamber (11).

IPC 8 full level

**F01L 9/12** (2021.01); **F01L 13/00** (2006.01); **F01L 13/08** (2006.01)

CPC (source: EP FI)

**F01L 1/24** (2013.01 - FI); **F01L 9/12** (2021.01 - EP); **F01L 13/0031** (2013.01 - EP FI); **F01L 13/08** (2013.01 - EP); **F02D 13/0242** (2013.01 - FI)

Citation (search report)

See references of WO 2014106688A1

Cited by

WO2018166612A1; WO2024013634A1; EP3596317B1

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Designated extension state (EPC)

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