

Title (en)

SWITCHING ROCKER ARM FOR INTERNAL EXHAUST GAS RECIRCULATION WITH SIMPLE LATCH CONTROL

Title (de)

SCHALTKIPPHEBEL FÜR INTERNE ABGASRÜCKFÜHRUNG MIT EINFACHER VERRIEGELUNGSSTEUERUNG

Title (fr)

CULBUTEUR DE COMMUTATION POUR UNE RECIRCULATION INTERNE DES GAZ D'ÉCHAPPEMENT AVEC COMMANDE DE VERROUILLAGE SIMPLE

Publication

EP 3314097 A4 20190313 (EN)

Application

EP 16818668 A 20160629

Priority

- IN 1943DE2015 A 20150629
- US 2016040058 W 20160629

Abstract (en)

[origin: WO2017004179A1] A switching rocker arm constructed in accordance to one example of the present disclosure includes an outer arm, an inner arm, a latch, a roller, a first lost motion spring and a second lost motion spring. The outer arm has a first outer side arm, a second outer side arm, an outer arm first end and an outer arm second end. The first outer side arm has a first leg retaining tab. The second outer side arm has a second leg retaining tab. The inner arm is pivotally secured to the outer arm and has a latch bore, a first inner side arm, a second inner side arm, an inner arm first end and an inner arm second end. The inner arm first end has a first finger, a second finger, a first hub and a second hub.

IPC 8 full level

F01L 1/18 (2006.01); **F01L 13/00** (2006.01)

CPC (source: CN EP US)

F01L 1/181 (2013.01 - US); **F01L 1/185** (2013.01 - CN EP US); **F01L 13/0021** (2013.01 - US); **F01L 13/0036** (2013.01 - CN EP US); **F01L 2001/186** (2013.01 - CN EP US); **F01L 2001/467** (2013.01 - EP US); **F01L 2305/00** (2020.05 - CN EP US); **F01L 2800/10** (2013.01 - EP US)

Citation (search report)

- [XAI] DE 10310219 A1 20040916 - DAIMLER CHRYSLER AG [DE]
- [IA] US 2011226209 A1 20110922 - ZURFACE AUSTIN [US], et al
- [A] US 2013186358 A1 20130725 - MANTHER DEBORA [US], et al
- [IA] US 2003209217 A1 20031113 - HENDRIKSMA NICK J [US], et al
- [A] US 6532920 B1 20030318 - SWEETNAM GORDON WILLIAM ST JOH [US], et al
- [A] US 2013239919 A1 20130919 - MANTHER DEBORA [US]
- See references of WO 2017004179A1

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

DOCDB simple family (publication)

WO 2017004179 A1 20170105; CN 107787394 A 20180309; EP 3314097 A1 20180502; EP 3314097 A4 20190313; EP 3314097 B1 20200429; JP 2018519466 A 20180719; US 2018119584 A1 20180503

DOCDB simple family (application)

US 2016040058 W 20160629; CN 201680037136 A 20160629; EP 16818668 A 20160629; JP 2017566348 A 20160629; US 201715856489 A 20171228