

Title (en)
DISCRETE VARIABLE VALVE LIFT ENGINE SYSTEMS AND METHODS

Title (de)
DISKRETE VARIABLE VENTILHUBSYSTEME UND VERFAHREN

Title (fr)
SYSTÈMES DE MOTEUR ET PROCÉDÉS À LEVÉE DE SOUPAPE VARIABLE DISCRÈTE

Publication
EP 3397844 A4 20190821 (EN)

Application
EP 16882398 A 20161221

Priority

- US 201562271391 P 20151228
- US 201662279976 P 20160118
- US 201662349983 P 20160614
- US 201662350621 P 20160615
- IN 201611029817 A 20160831
- US 2016068118 W 20161221

Abstract (en)
[origin: WO2017116918A1] A switching roller finger follower for valve actuation comprises a pair of outer arms comprising an axle mounting. A bridge portion joins the pair of outer arms. A latch assembly comprises a ferrule. The ferrule is configured to reciprocate in a latch recess. An inner arm is pivotably mounted to a main axle and comprises a bearing rotatably mounted to a bearing axle. The bearing is configured to transfer forces from a cam lobe to the inner arm. A catch on the inner arm is configured to latch against the lip when the ferrule is in a first position. The catch can pivot past the ferrule when the ferrule is in a second position.

IPC 8 full level
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Citation (search report)

- [IY] US 2006185646 A1 20060824 - HEEL BERNHARD [FR], et al
- [IY] EP 2672092 A1 20131211 - NISSAN MOTOR [JP]
- [Y] US 2011139099 A1 20110616 - ROE RICHARD B [US], et al
- [Y] US 2015267574 A1 20150924 - RADULESCU ANDREI DAN [US], et al
- See references of WO 2017116917A1

Designated contracting state (EPC)
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DOCDB simple family (application)
US 2016068140 W 20161221; CN 201680081373 A 20161221; EP 16882398 A 20161221; US 2016068118 W 20161221; US 201816022042 A 20180628