

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 A1 20181107 (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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**F01L 1/08** (2013.01 - EP US); **F01L 1/185** (2013.01 - EP US); **F01L 1/2405** (2013.01 - EP US); **F01L 13/0036** (2013.01 - EP US); **F02D 13/023** (2013.01 - EP US); **F01L 2001/186** (2013.01 - EP US); **F01L 2001/467** (2013.01 - EP US); **F01L 2305/00** (2020.05 - EP US); **F01L 2800/00** (2013.01 - EP US); **F01L 2820/01** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP)

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DOCDB simple family (publication)  
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**US 2016068140 W 20161221**; CN 201680081373 A 20161221; EP 16882398 A 20161221; US 2016068118 W 20161221; US 201816022042 A 20180628