

Title (en)

HYDRAULIC ASSISTED ENGINE BRAKE MECHANISM FOR VALVE TRAIN

Title (de)

HYDRAULISCH UNTERSTÜTZTER MOTORBREMSMECHANISMUS FÜR VENTILTRIEB

Title (fr)

MÉCANISME DE FREIN MOTEUR À ASSISTANCE HYDRAULIQUE POUR DISPOSITIF DE COMMANDE DE SOUPAPES

Publication

EP 3880941 A1 20210922 (EN)

Application

EP 19806167 A 20191115

Priority

- IN 201811043088 A 20181115
- EP 2019081562 W 20191115

Abstract (en)

[origin: WO2020099669A1] An exhaust valve rocker arm assembly operable in a drive mode and an engine braking mode includes a rocker shaft, a rocker arm (30), a hydraulic lash adjuster assembly (12), an accumulator assembly (16) and a locking pin (52). The rocker shaft (34) has an oil gallery defined thereon. The rocker arm (30) has an oil feed channel that is fluidly connected to the oil gallery. The rocker arm (30) further defines an engine brake relief hold and an accumulator relief hole (46). The accumulator assembly (16) is disposed in the rocker arm (30) and is fluidly coupled to the hydraulic lash adjuster through an engine brake relief hole (94). The locking pin assembly (20) is disposed in the rocker arm (30) and is selectively movable by a high pressure fluid from a closed position to an open position.

IPC 8 full level

F01L 1/24 (2006.01); **F01L 1/18** (2006.01); **F01L 13/06** (2006.01)

CPC (source: EP US)

F01L 1/18 (2013.01 - EP US); **F01L 1/181** (2013.01 - EP US); **F01L 1/24** (2013.01 - EP US); **F01L 1/2411** (2013.01 - US); **F01L 1/2416** (2013.01 - EP); **F01L 13/06** (2013.01 - EP US); **F01L 13/065** (2013.01 - EP); **F01L 2001/2444** (2013.01 - US); **F01L 2013/105** (2013.01 - EP)

Citation (search report)

See references of WO 2020099669A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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