

Title (en)

LOST MOTION VALVE ACTUATION SYSTEMS WITH LOCKING ELEMENTS INCLUDING WEDGE LOCKING ELEMENTS

Title (de)

LEERLAUFVENTILBETÄTIGUNGSSYSTEME MIT SICHERUNGSELEMENTEN EINSCHLIESSLICH KEILSICHERUNGSELEMENTEN

Title (fr)

SYSTÈMES D'ACTIONNEMENT DE SOUPAPE À MOUVEMENT PERDU AVEC DES ÉLÉMENTS DE VERROUILLAGE COMPRENANT DES ÉLÉMENTS DE VERROUILLAGE EN FORME DE COIN

Publication

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Application

EP 15175525 A 20150706

Priority

US 201414331982 A 20140715

Abstract (en)

A system for actuating one or more engine valves comprises a lost motion assembly including locking elements to selectively lock and unlock a locking mechanism disposed within a valve train such that motions may be likewise selectively applied to, or prevented from being applied to, one or more engine valves. In an embodiment, the locking elements comprise wedges having at least one wedge inclined surface defined according to a cone frustum and configured to engage an outer recess formed in a housing, the outer recess comprising an outer recess inclined surface also defined according to the cone frustum. The device may comprise a locking mechanism disposed within a housing bore in the housing and a snubber also disposed in the housing bore. Furthermore, the outer recess may be configured to permit movement of the locking element along a longitudinal axis of the housing bore.

IPC 8 full level

F01L 13/00 (2006.01); **F01L 13/06** (2006.01)

CPC (source: EP)

F01L 13/0005 (2013.01); **F01L 13/06** (2013.01)

Citation (applicant)

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DOCDB simple family (application)

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