

Title (en)  
VALVE ACTUATION SYSTEM COMPRISING IN-SERIES LOST MOTION COMPONENTS DEPLOYED IN A PRE-ROCKER ARM VALVE TRAIN COMPONENT AND VALVE BRIDGE

Title (de)  
VENTILBETÄTIGUNGSSYSTEM MIT IN REIHE GESCHALTETEN TOTGANGKOMPONENTEN IN EINER VORROCKERARMVENTILTRIEBKOMPONENTE UND VENTILBRÜCKE

Title (fr)  
SYSTÈME D'ACTIONNEMENT DE SOUPAPES COMPRENANT DES COMPOSANTS À MOUVEMENT PERDU EN SÉRIE DÉPLOYÉS DANS UN COMPOSANT DE TRAIN DE SOUPAPES DE PRÉ-CULBUTEUR ET PONT DE SOUPAPE

Publication  
**EP 4348013 A1 20240410 (EN)**

Application  
**EP 22815484 A 20220603**

Priority  
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• IB 2022055218 W 20220603

Abstract (en)  
[origin: WO2022254408A1] A valve actuation system comprises a valve actuation motion source configured to provide a main valve actuation motion and an auxiliary valve actuation motion for actuating at least one engine valve via a valve actuation load path. A lost motion subtracting mechanism is arranged in a pre-rocker arm valve train component and configured, in a first default operating state, to convey at least the main valve actuation motion and configured, in a first activated state, to lose the main valve actuation motion and the auxiliary valve actuation motion. Additionally, a lost motion adding mechanism is arranged in a valve bridge and configured, in a second default operating state, to lose the auxiliary valve actuation motion and configured, in a second activated state, to convey the auxiliary valve actuation motion, wherein the lost motion adding mechanism is in series with the lost motion subtracting mechanism in the valve actuation load path.

IPC 8 full level  
**F01L 13/00** (2006.01)

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**F01L 1/181** (2013.01 - EP KR); **F01L 1/26** (2013.01 - EP KR); **F01L 13/0005** (2013.01 - EP KR); **F01L 13/065** (2013.01 - EP KR); **F01L 2001/467** (2013.01 - EP KR); **F01L 2013/001** (2013.01 - EP KR); **F01L 2013/105** (2013.01 - EP KR); **F01L 2800/01** (2013.01 - EP KR); **F01L 2800/02** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2022254408A1

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