Title (en)

A VALVE BRIDGE SYSTEM TO RESIST UNCONTROLLED MOVEMENT OF THE VALVE BRIDGE

Title (de)

VENTILBRÜCKENSYSTEM, DAS EINER UNKONTROLLIERTEN BEWEGUNG DER VENTILBRÜCKE ENTGEGENSTEHEND IST

Title (fr)

SYSTÈME DE PONT DE SOUPAPE POUR RÉSISTER À UN MOUVEMENT NON CONTRÔLÉ DU PONT DE SOUPAPE

Publication

EP 4146919 A1 20230315 (EN)

Application

EP 21800344 A 20210506

Priority

- US 202015929504 A 20200506
- US 2021070517 W 20210506

Abstract (en)

[origin: WO2021226636A1] A valve bridge system comprises a valve bridge body configured to extend between at least two engine valves of an internal combustion engine. The valve bridge body comprises a through-bore configured to align with a first engine valve and to receive a bridge pin. A bridge pin boss has the through-bore formed therein, has a longitudinal length and terminates in an upper surface. The longitudinal length is configured such that the upper surface of the bridge pin boss contacts a surface of the auxiliary rocker arm to resist uncontrolled movement of the valve bridge when the valve bridge is in an uncontrolled state relative to the at least two engine valves.

IPC 8 full level

F01L 13/06 (2006.01); **F01L 1/26** (2006.01)

CPC (source: EP KR)

F01L 1/181 (2013.01 - EP KR); **F01L 1/20** (2013.01 - EP KR); **F01L 1/26** (2013.01 - EP KR); **F01L 3/02** (2013.01 - EP KR); **F01L 13/06** (2013.01 - KR); F01L 13/06 (2013.01 - EP); F01L 2305/00 (2020.05 - EP)

Citation (search report)

See references of WO 2021226636A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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