

Title (en)

INVERTED V-8 I-C ENGINE AND METHOD OF OPERATING SAME IN A VEHICLE

Title (de)

UMGEKEHRTER V-8 I-C-MOTOR UND VERFAHREN ZUM BETRIEB DAVON IN EINEM FAHRZEUG

Title (fr)

MOTEUR V-8 I-C INVERSÉ ET SON PROCÉDÉ DE FONCTIONNEMENT DANS UN VÉHICULE

Publication

EP 3149277 A1 20170405 (EN)

Application

EP 15730588 A 20150601

Priority

- US 201414291636 A 20140530
- US 201414579229 A 20141222
- US 2015033561 W 20150601

Abstract (en)

[origin: WO2015184448A1] In an inverted V-8 engine capable of operating in power level steps with four pairs of piston and cylinder assemblies having fuel injectors with dual options, the improvement which comprises a three component frame structure having cooperating interengaging surfaces containing two banks of four inline crankshaft connected piston and cylinder units converging angularly upwardly from two interconnected crankshafts. The surface-to-surface contact between the block component and head component includes oppositely paired cylinder open ends covered by cam operated valving in the head component with the adjacent upper combustion chambers of each pair of cylinders being communicated by an intercommunicating polished passage formed in a two-piece insert fixedly positioned in a recess in the head component and a method of operating the engine in a vehicle.

IPC 8 full level

F01B 1/10 (2006.01); **F02B 75/06** (2006.01); **F02B 75/18** (2006.01); **F02B 75/22** (2006.01); **F02D 41/00** (2006.01)

CPC (source: EP)

F01B 1/10 (2013.01); **F02B 75/225** (2013.01); **F02D 17/026** (2013.01); **F02D 41/0087** (2013.01); **F02B 75/065** (2013.01); **F02B 75/228** (2013.01); **F02B 2075/1832** (2013.01)

Citation (search report)

See references of WO 2015184448A1

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

DOCDB simple family (publication)

WO 2015184448 A1 20151203; EP 3149277 A1 20170405

DOCDB simple family (application)

US 2015033561 W 20150601; EP 15730588 A 20150601