

Title (en)
BRAKE VALVE FOR ENGINE BRAKING

Title (de)
BREMSVENTIL ZUR MOTORBREMSUNG

Title (fr)
SOUPAPE DE FREIN POUR FREINAGE MOTEUR

Publication
EP 2446132 A4 20130717 (EN)

Application
EP 10792495 A 20100526

Priority
• US 2010036117 W 20100526
• US 22046709 P 20090625

Abstract (en)
[origin: WO2010151391A1] An engine braking system comprising backpressure valves located in the exhaust system upstream of an engine turbocharger. The valves can be adjustable knife edge flap valves or D-shaped valves situated in each passageway of a divided exhaust manifold. By using backpressure valves located upstream of the turbocharger, the adjustable valves can be closed to varying degrees to generate desired levels of backpressure while allowing exhaust gas to pass through open regions of the partially obstructed flow pathway to reach the engine turbocharger. By not completely closing the valve and not fully restricting the flow of exhaust gas to the turbine, the turbine continues to spin, the engine mass flow is not choked off, and improved brake performance will result.

IPC 8 full level
F02D 9/06 (2006.01); **F01N 13/10** (2010.01); **F02B 37/02** (2006.01)

CPC (source: EP)
F01N 13/107 (2013.01); **F02B 37/025** (2013.01); **F02D 9/06** (2013.01); **F02D 9/103** (2013.01); **F02D 9/1095** (2013.01); **F01N 2240/36** (2013.01); **F02B 29/0406** (2013.01); **F02M 26/05** (2016.02); **F02M 26/10** (2016.02); **F02M 26/23** (2016.02); **F02M 26/43** (2016.02); **Y02T 10/12** (2013.01)

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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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010151391 A1 20101229; EP 2446132 A1 20120502; EP 2446132 A4 20130717

DOCDB simple family (application)
US 2010036117 W 20100526; EP 10792495 A 20100526