

Title (en)
VALVE DEVICE FOR CONTROLLING THE AIR INTAKE FOR A COMPRESSOR OF A VEHICLE, AND COMPRESSOR SYSTEM AND METHOD FOR CONTROLLING A COMPRESSOR SYSTEM

Title (de)
VENTILEINRICHTUNG ZUR STEUERUNG DER LUFTZUFUHR FÜR EINEN KOMPRESSOR EINES FAHRZEUGS SOWIE KOMPRESSORSYSTEM UND VERFAHREN ZUR STEUERUNG EINES KOMPRESSORSYSTEMS

Title (fr)
DISPOSITIF DE SOUPAPE POUR COMMANDER L'AMENÉE D'AIR POUR UN COMPRESSEUR D'UN VÉHICULE AINSI QUE SYSTÈME DE COMPRESSEUR ET PROCÉDÉ DE COMMANDE D'UN SYSTÈME DE COMPRESSEUR

Publication
EP 2655883 A1 20131030 (DE)

Application
EP 11793782 A 20111207

Priority
• DE 102010055692 A 20101222
• EP 2011072066 W 20111207

Abstract (en)
[origin: WO2012084517A1] The invention relates to a valve device (40) for controlling the air intake for a compressor (24) of a vehicle (10), wherein the valve device (40) comprises a valve housing (100), comprising a first compressed air inlet (102) for connecting to an ambient air infeed (32), a second compressed air inlet (104) for connecting to a charge air infeed (34), through which pre-compressed air can be fed, and a compressed air outlet (106) for connecting to the compressor (24). The valve device (40) comprises a first switched state in which the compressed air outlet (106) is fluidically connected to the first compressed air inlet (102), and comprises a second switched state in which the compressed air outlet (106) is fluidically connected to the second compressed air inlet (104). The valve device (40) further comprises a switching device capable of switching the valve device (40) between the first switched state and the second switched state. The invention further relates to a compressor system having such a valve device and a method for controlling an air infeed for a compressor system.

IPC 8 full level
F04B 41/06 (2006.01); **F04B 49/00** (2006.01); **F04D 25/04** (2006.01); **F04D 25/16** (2006.01)

CPC (source: EP KR US)
F02B 33/44 (2013.01 - EP US); **F04B 39/102** (2013.01 - US); **F04B 39/1033** (2013.01 - US); **F04B 41/06** (2013.01 - EP KR US); **F04B 49/00** (2013.01 - KR); **F04B 49/007** (2013.01 - EP US); **F04D 25/04** (2013.01 - EP KR US); **F04D 25/16** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2012084517A1

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

DOCDB simple family (publication)
WO 2012084517 A1 20120628; BR 112013015617 A2 20180515; BR 112013015617 B1 20210202; CN 103270302 A 20130828; CN 103270302 B 20160907; DE 102010055692 A1 20120628; EP 2655883 A1 20131030; EP 2655883 B1 20190703; JP 2014504346 A 20140220; JP 5976667 B2 20160824; KR 101935063 B1 20190103; KR 20130131396 A 20131203; MX 2013007250 A 20130801; MX 336668 B 20160127; RU 2013133996 A 20150127; RU 2584765 C2 20160520; US 2013276764 A1 20131024; US 9422856 B2 20160823

DOCDB simple family (application)
EP 2011072066 W 20111207; BR 112013015617 A 20111207; CN 201180062071 A 20111207; DE 102010055692 A 20101222; EP 11793782 A 20111207; JP 2013545168 A 20111207; KR 20137017496 A 20111207; MX 2013007250 A 20111207; RU 2013133996 A 20111207; US 201313923985 A 20130621