

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

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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.

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Citation (examination)  
• US 2003217775 A1 20031127 - COUSINEAU CORY [US], et al  
• US 2009114296 A1 20090507 - TSUDA EINOSUKE [JP]

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