

Title (en)

Capacity controlled compressor for commercial vehicles

Title (de)

Luftbedarfgesteuerte Kompressoranordnung, insbesondere für Nutzfahrzeuge

Title (fr)

Compresseur à capacité variable pour véhicules utilitaires

Publication

EP 1394415 A3 20090701 (DE)

Application

EP 03018780 A 20030828

Priority

DE 10240162 A 20020830

Abstract (en)

[origin: EP1394415A2] The device has a motor (1) to generate a rotary movement, transmitted via a transmission (2) to a compressor (3) to generate compressed air from ambient air. Air generated is initiated on a demand by a control unit (5). The transmission has variable RPM, and acts with the control unit to adapt the transmission RPM to the compressed air demand. Demand is determined by a mechanical or electric pressure sensor (7) to measure the actual pressure. The sensor is connected to the control unit, which signals a compressed air demand for control of the transmission, when the actual pressure falls below a pre-defined reference pressure.

IPC 8 full level

F04B 49/20 (2006.01); **F04D 13/02** (2006.01)

CPC (source: EP US)

F04B 49/20 (2013.01 - EP US); **F04D 13/022** (2013.01 - EP US); **F04B 2201/1201** (2013.01 - EP US); **F04B 2205/05** (2013.01 - EP US); **F04B 2205/063** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

EP 1394415 A2 20040303; **EP 1394415 A3 20090701**; **EP 1394415 B1 20130417**; DE 10240162 A1 20040318; US 2004136840 A1 20040715; US 7600988 B2 20091013

DOCDB simple family (application)

EP 03018780 A 20030828; DE 10240162 A 20020830; US 65261903 A 20030902