

Title (en)

COMPRESSOR HAVING AN ENERGY SAVING DEVICE AND METHOD FOR THE ENERGY-SAVING OPERATION OF A COMPRESSOR

Title (de)

KOMPRESSOR MIT EINER ENERGIESPARVORRICHTUNG UND VERFAHREN ZUM ENERGIESPARENDE BETREIBEN EINES KOMPRESSORS

Title (fr)

COMPRESSEUR AVEC UN DISPOSITIF D'ÉCONOMIE D'ÉNERGIE, ET PROCÉDÉ POUR FAIRE FONCTIONNER UN COMPRESSEUR EN ÉCONOMISANT DE L'ÉNERGIE

Publication

EP 2245306 A1 20101103 (DE)

Application

EP 09703163 A 20090113

Priority

- EP 2009000144 W 20090113
- DE 102008005435 A 20080122

Abstract (en)

[origin: WO2009092534A1] The invention relates to a compressor (10) for generating compressed air for a commercial vehicle (12), wherein the compressor (10) comprises a housing (14) having a piston chamber (16) and a clearance (18) and a valve unit (20) having a locking body (22) for separating the clearance (18) from the piston chamber (16). The invention provides that the locking body (22) can be lifted from a valve seat (24) in the direction of the piston chamber (16) for opening the valve unit (20). The invention further relates to a method for relieving a compressor.

IPC 8 full level

F04B 39/08 (2006.01); **F04B 49/03** (2006.01); **F04B 49/16** (2006.01)

CPC (source: EP)

F04B 39/08 (2013.01); **F04B 49/03** (2013.01); **F04B 49/16** (2013.01)

Citation (search report)

See references of WO 2009092534A1

Designated contracting state (EPC)

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102008005435 A1 20090723; BR PI0906515 A2 20150714; CN 101896721 A 20101124; CN 104832403 A 20150812; CN 104832403 B 20170714; EP 2245306 A1 20101103; EP 2245306 B1 20130911; JP 2011510223 A 20110331; JP 5553770 B2 20140716; RU 2010134933 A 20120227; RU 2505705 C2 20140127; WO 2009092534 A1 20090730

DOCDB simple family (application)

DE 102008005435 A 20080122; BR PI0906515 A 20090113; CN 200980101371 A 20090113; CN 201510120021 A 20090113; EP 09703163 A 20090113; EP 2009000144 W 20090113; JP 2010543417 A 20090113; RU 2010134933 A 20090113