

Title (en)

DEVICE AND METHOD FOR SUPPLYING A COMMERCIAL VEHICLE WITH COMPRESSED AIR

Title (de)

VORRICHTUNG UND VERFAHREN ZUM VERSORGEN EINES NUTZFAHRZEUGS MIT DRUCKLUFT

Title (fr)

DISPOSITIF ET PROCÉDÉ D'ALIMENTATION D'UN VÉHICULE UTILITAIRE EN AIR COMPRIMÉ

Publication

**EP 3247603 A1 20171129 (DE)**

Application

**EP 16701153 A 20160121**

Priority

- DE 102015000893 A 20150123
- EP 2016051202 W 20160121

Abstract (en)

[origin: WO2016116546A1] The invention proceeds from a device for supplying a commercial vehicle with compressed air, with an electronic controller (1) which is connected to at least one sensor (2), with a compressed air input (4) and a pressure control output 16 which are each connected to a compressor, with a blow-off output (6), with a filter drying cartridge (5), with an output to at least one pressure accumulator (7), and with an electromagnetic valve (3) which can be actuated by way of the electronic controller (1). According to the invention, a pressure-controlled valve (8; 13; 14; 15) is provided, the switching state of which is dependent directly or in conjunction with the switching state of the electromagnetic valve (3) on the pressure in the output to the at least one pressure accumulator (7), and which pressure-controlled valve can assume a switching state, in which the output to the at least one pressure accumulator (7) is connected via the electromagnetic valve (3) to the filter drying cartridge (5) on the side which lies opposite the compressed air input (4).

IPC 8 full level

**B60T 17/00** (2006.01); **B01D 53/26** (2006.01); **B60T 13/68** (2006.01); **F15B 21/041** (2019.01); **F15B 21/048** (2019.01)

CPC (source: CN EP)

**B60T 13/66** (2013.01 - CN EP); **B60T 13/683** (2013.01 - CN EP); **B60T 13/686** (2013.01 - CN EP); **B60T 17/004** (2013.01 - CN EP); **B60T 17/008** (2013.01 - CN EP); **B60T 17/02** (2013.01 - CN EP); **B60T 17/22** (2013.01 - CN EP); **F15B 11/064** (2013.01 - EP); **F15B 21/041** (2013.01 - EP); **F15B 21/048** (2013.01 - EP); **B01D 53/261** (2013.01 - EP); **B01D 2257/80** (2013.01 - EP); **B01D 2258/06** (2013.01 - EP); **F15B 2211/611** (2013.01 - EP); **F15B 2211/6309** (2013.01 - EP)

Citation (search report)

See references of WO 2016116546A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2016116546 A1 20160728**; BR 112017014520 A2 20180123; CN 107206992 A 20170926; CN 107206992 B 20200317; DE 102015000893 A1 20160728; DE 102015000893 B4 20230713; EP 3247603 A1 20171129

DOCDB simple family (application)

**EP 2016051202 W 20160121**; BR 112017014520 A 20160121; CN 201680006880 A 20160121; DE 102015000893 A 20150123; EP 16701153 A 20160121