

Title (en)  
FRESH AIR SYSTEM

Title (de)  
FRISCHLUFTANLAGE

Title (fr)  
INSTALLATION D'ALIMENTATION EN AIR FRAIS

Publication  
**EP 3030778 B1 20180620 (DE)**

Application  
**EP 14747569 A 20140729**

Priority  
• DE 102013215607 A 20130807  
• EP 2014066225 W 20140729

Abstract (en)  
[origin: WO2015018689A1] The present invention relates to a fresh air system (1) for an internal combustion engine, with an inlet section (2) for fixed connection to a periphery (5) of the internal combustion engine, with an air filter (3) which has a filtering element, a filter housing (7) for fixed connection to the periphery (5) of the internal combustion engine, and a housing cover (8) for closing the filter housing (7), which housing cover is removable from the filter housing (7) for changing the filtering element, and with a connecting section (4) for fluidic connection of the inlet section (2) to the air filter (3), which connecting section is movably connected on the entry side to the inlet section (2) and is releasably connected on the exit side to the housing cover (8). A simplified changing of the filtering element is produced if, in order to change the filtering element, the connecting section (4), with the inlet section (2) connected thereto, is releasable from the housing cover (8) and is adjustable relative to the filter housing (7) to such an extent that the housing cover (8) is removable from the filter housing (7).

IPC 8 full level  
**F02M 35/02** (2006.01); **B01D 46/24** (2006.01); **F02M 35/024** (2006.01); **F02M 35/10** (2006.01); **F02M 35/12** (2006.01)

CPC (source: EP US)  
**F02M 35/0203** (2013.01 - EP US); **F02M 35/024** (2013.01 - EP US); **F02M 35/10091** (2013.01 - EP US); **F02M 35/10137** (2013.01 - EP US); **F02M 35/10144** (2013.01 - EP US); **F02M 35/1255** (2013.01 - EP US)

Citation (examination)  
• US 6463901 B1 20021015 - CUDDIHEE SR BRENDAN R [US], et al  
• WO 2012147729 A1 20121101 - ROKI CO LTD [JP], et al

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 2015018689 A1 20150212**; CN 105378259 A 20160302; CN 105378259 B 20180601; DE 102013215607 A1 20150305; EP 3030778 A1 20160615; EP 3030778 B1 20180620; JP 2016527442 A 20160908; JP 6240772 B2 20171129; US 2016186702 A1 20160630; US 9909542 B2 20180306

DOCDB simple family (application)  
**EP 2014066225 W 20140729**; CN 201480040761 A 20140729; DE 102013215607 A 20130807; EP 14747569 A 20140729; JP 2016532314 A 20140729; US 201414910679 A 20140729