

Title (en)

FEEDING ARRANGEMENT FOR INTRODUCING RECIRCULATED EXHAUST GAS

Title (de)

ZUFÜHRUNGSANORDNUNG ZUR EINLEITUNG VON RÜCKGEFÜHRTEM ABGAS

Title (fr)

DISPOSITIF D'ALIMENTATION POUR L'INTRODUCTION DE GAZ D'ÉCHAPPEMENT RECYCLÉS

Publication

**EP 3426901 B1 20191218 (DE)**

Application

**EP 17709353 A 20170306**

Priority

- DE 102016003003 A 20160311
- EP 2017000295 W 20170306

Abstract (en)

[origin: WO2017153042A1] Disclosed is a feeding arrangement for introducing recirculated exhaust gas into the fresh air duct (1) of an internal combustion engine. The invention is characterized in that a quick-closing gate (4) is placed in the fresh air duct (1) upstream of the cylinder head of the internal combustion engine in order to block the fresh air supply, and in that the outlet port (2) of the exhaust gas recirculation system (3) is located centrally in the fresh air duct (1) and in the direction of flow of the fresh air in such a way that a minimal gap is formed upstream of the quick-closing gate (4).

IPC 8 full level

**F02D 9/14** (2006.01); **F02D 9/02** (2006.01); **F02D 17/04** (2006.01); **F02M 26/19** (2016.01)

CPC (source: EP RU US)

**F02D 9/02** (2013.01 - RU); **F02D 9/08** (2013.01 - US); **F02D 9/14** (2013.01 - RU); **F02M 26/19** (2016.02 - EP RU US);  
**F02D 9/14** (2013.01 - EP US)

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 2017153042 A1 20170914**; CN 109072785 A 20181221; CN 109072785 B 20210716; DE 102016003003 A1 20170914;  
DE 102016003003 B4 20171012; EP 3426901 A1 20190116; EP 3426901 B1 20191218; RU 2700845 C1 20190923; US 10495034 B2 20191203;  
US 2018223776 A1 20180809

DOCDB simple family (application)

**EP 2017000295 W 20170306**; CN 201780016786 A 20170306; DE 102016003003 A 20160311; EP 17709353 A 20170306;  
RU 2018114000 A 20170306; US 201815945990 A 20180405