

Title (en)

Apparatus to open and close an exhaust gas conduit

Title (de)

Vorrichtung zum Freigeben und Absperren einer Aggasleitung

Title (fr)

Dispositif pour ouvrir ou fermer un conduit de gaz d'échappement

Publication

**EP 1722077 A3 20090218 (DE)**

Application

**EP 06009602 A 20060510**

Priority

DE 202005007847 U 20050513

Abstract (en)

[origin: EP1722077A2] The device has a blocking unit (3) connected with a compression spring (8), and a connecting rod (5). The spring is enclosed by an insulating material e.g. ceramic fiber, and arranged in a housing. The spring operates in a direction opposite to exhaust gas flow in an exhaust gas pipe (2). The spring moves the blocking unit to an open position, when gas pressure in the pipe exceeds a preset value. The connecting rod is placed in a thrust bearing and is fixed in a displaceable manner in the work direction of the compression spring. An independent claim is also included for an exhaust system with a bypass pipe including a device for blocking and unblocking exhaust gas pipe.

IPC 8 full level

**F01N 1/16** (2006.01)

CPC (source: EP)

**F01N 1/165** (2013.01); **F01N 2260/06** (2013.01); **F01N 2260/20** (2013.01)

Citation (search report)

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- [X] JP H0351124 U 19910517
- [X] WO 02053883 A1 20020711 - WIMETAL SA [FR], et al
- [X] US 5435347 A 19950725 - GILLINGHAM GARY [US]
- [A] DE 10319212 A1 20041202 - GILLET HEINRICH GMBH [DE]
- [A] DE 19729666 A1 19980122 - GILLET HEINRICH GMBH [DE]
- [A] WO 0181734 A1 20011101 - EBERSPAECHER J GMBH & CO [DE], et al
- [A] FR 48435 E 19380203

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CN110735689A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**DE 202005007847 U1 20050728**; EP 1722077 A2 20061115; EP 1722077 A3 20090218

DOCDB simple family (application)

**DE 202005007847 U 20050513**; EP 06009602 A 20060510