

Title (en)

GAS LEAKAGE SEARCH USING A TEST GAS SPRAY DEVICE

Title (de)

GASLECKSUCHE MIT EINER TESTGASSPRÜHVORRICHTUNG

Title (fr)

RECHERCHE DE FUITE DE GAZ AU MOYEN D'UN DISPOSITIF DE PULVÉRISATION DE GAZ DE TEST

Publication

**EP 3436793 A1 20190206 (DE)**

Application

**EP 17713949 A 20170328**

Priority

- DE 102016205381 A 20160331
- EP 2017057294 W 20170328

Abstract (en)

[origin: WO2017167738A1] The invention relates to a gas leakage search device comprising a test gas spray device (12) for spraying a test object (20) with a test gas, a vacuum assembly (30) for evacuating the test object (20), wherein the vacuum assembly (30) has a vacuum pump (26) and a gas detector (28) downstream of the test object (20) for measuring the test gas proportion, and an analysis unit (32) which evaluates the measurement signal of the gas detector (28). The invention is characterized in that a data communication connection (34) is established between the spray device (12) and the analysis unit (32); the spray device (12) is designed to detect at least one point in time of the spraying process and to transmit same to the analysis unit (32), and the analysis unit (32) is designed to output the corresponding measured test gas proportion at the transmitted point in time of the spraying process.

IPC 8 full level

**G01M 3/20** (2006.01); **G01M 3/22** (2006.01)

CPC (source: EP KR RU US)

**G01M 3/205** (2013.01 - EP KR RU US); **G01M 3/207** (2013.01 - EP); **G01M 3/226** (2013.01 - EP KR RU 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2017167738 A1 20171005**; CN 109073495 A 20181221; CN 109073495 B 20210917; DE 102016205381 A1 20171005; DE 102016205381 B4 20231130; EP 3436793 A1 20190206; EP 3742148 A1 20201125; EP 3742148 B1 20220216; JP 2019510228 A 20190411; JP 6862472 B2 20210421; KR 102377323 B1 20220321; KR 20180128000 A 20181130; RU 2018137195 A 20200430; RU 2018137195 A3 20200526; RU 2728802 C2 20200731; TW 201736808 A 20171016; TW I730076 B 20210611; US 10837857 B2 20201117; US 2019120715 A1 20190425

DOCDB simple family (application)

**EP 2017057294 W 20170328**; CN 201780021497 A 20170328; DE 102016205381 A 20160331; EP 17713949 A 20170328; EP 20186105 A 20170328; JP 2018551121 A 20170328; KR 20187028523 A 20170328; RU 2018137195 A 20170328; TW 106110623 A 20170329; US 201716089665 A 20170328