

Title (en)
TEST GAS LEAKAGE DETECTOR

Title (de)
TESTGASLECKSUCHGERÄT

Title (fr)
DETECTEUR DE FUITE DE GAZ TRACEUR

Publication
EP 1444495 A1 20040811 (DE)

Application
EP 02787638 A 20021112

Priority
• DE 10156205 A 20011115
• EP 0212601 W 20021112

Abstract (en)
[origin: WO03042651A1] The invention relates to a test gas leakage detector (1), comprising an inlet (2) for gases to be analyzed for the presence of a test gas, a test gas detector (22), a high vacuum pump system (15) connected to the test gas detector, an intermediate inlet (14) arranged on the high vacuum pump system (15) and used to supply the gases to be analyzed for the presence of a test gas, a fore-vacuum pump (8) connected to high vacuum pump system (15) and a line section (3,6) fitted with a valve (5) and located between the inlet (2) and the fore-vacuum pump (8). In order to provide a device of the above-mentioned category which is quicker and more sensitive, another high vacuum pump (11) is provided between the inlet (2) and the intermediate inlet (14), having an outlet (12) which is connected to the inlet (7) of the fore-vacuum pump (8) by means of a line section fitted with a valve (17).

IPC 1-7
G01M 3/20

IPC 8 full level
G01M 3/20 (2006.01)

CPC (source: EP US)
G01M 3/202 (2013.01 - EP US)

Citation (search report)
See references of WO 03042651A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03042651 A1 20030522; DE 10156205 A1 20030605; EP 1444495 A1 20040811; JP 2006515666 A 20060601; JP 4164030 B2 20081008; US 2005066708 A1 20050331; US 7082813 B2 20060801

DOCDB simple family (application)
EP 0212601 W 20021112; DE 10156205 A 20011115; EP 02787638 A 20021112; JP 2003544435 A 20021112; US 49671804 A 20040521