

Title (en)
SWITCH CABINET FOR EXHAUST-GAS MEASUREMENT INSTALLATIONS

Title (de)
SCHALTSCHRANK FÜR ABGASMESSANLAGEN

Title (fr)
ARMOIRE DE COMMANDE POUR SYSTÈMES DE MESURE DE GAZ D'ÉCHAPPEMENT

Publication
EP 3465129 A1 20190410 (DE)

Application
EP 17717700 A 20170413

Priority
• DE 102016110066 A 20160531
• EP 2017058932 W 20170413

Abstract (en)
[origin: WO2017207160A1] The invention relates to a switch cabinet for exhaust-gas measurement installations, comprising a cabinet body (12), which is composed of two side walls (14, 16), a ceiling (20), a floor (18), and a back wall (22) and can be closed by a door (26) arranged on the front side (24), wherein a measurement gas distributor (46) and at least one measuring device (28, 30, 32) are arranged in the cabinet body (12), wherein an outlet of the measurement gas distributor (46) is connected to an inlet of the at least one measuring device (28, 30, 32) in a gas-tight manner. Such switch cabinets have the problem that the measurement gas must be led to the measuring devices by means of hoses or metal lines and that the temperature of the measurement gas constantly changes as a result. In order to ensure in the measuring device the gas temperature required for the measurement, the measurement gas inlets of the measuring devices each have a heater and a temperature monitoring system, whereby the costs and the installation space of the measuring devices are increased. In addition, the maintenance of the measuring devices is elaborate, because the measuring devices must be taken out of the switch cabinet and the hoses and cables connected to the measuring devices must be removed. According to the invention, the measurement gas distributor (46) is arranged for movement relative to the cabinet body (12) in such a way that, for the gas-tight connection of the measurement gas distributor (46) to the at least one measuring device (28; 30; 32), at least one coupling element (86; 88) fastened to the measurement gas distributor (46) and forming an outlet can be connected by insertion to a coupling element (90; 92) fastened to the at least one measuring device (28; 30; 32) and forming an inlet.

IPC 8 full level
G01M 15/10 (2006.01); **G01N 1/22** (2006.01); **H05K 5/00** (2006.01)

CPC (source: EP KR US)
G01M 15/02 (2013.01 - EP KR US); **G01M 15/102** (2013.01 - EP KR US); **G01N 1/2252** (2013.01 - KR US); **G01N 21/3504** (2013.01 - KR US); **G01N 21/766** (2013.01 - KR US); **H05K 7/18** (2013.01 - EP KR US); **G01N 1/2252** (2013.01 - EP); **G01N 21/3504** (2013.01 - EP); **G01N 21/766** (2013.01 - EP)

Citation (search report)
See references of WO 2017207160A1

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)
DE 102016110066 B3 20170323; CN 109564143 A 20190402; CN 109564143 B 20210105; EP 3465129 A1 20190410; JP 2019517666 A 20190624; JP 6738442 B2 20200812; KR 102203467 B1 20210115; KR 20190013945 A 20190211; US 10986749 B2 20210420; US 2020323099 A1 20201008; WO 2017207160 A1 20171207

DOCDB simple family (application)
DE 102016110066 A 20160531; CN 201780029906 A 20170413; EP 17717700 A 20170413; EP 2017058932 W 20170413; JP 2018562528 A 20170413; KR 20187037801 A 20170413; US 201716305060 A 20170413