Title (en)
Apparatus for monitoring a mixture of two fluids

Title (de)
Vorrichtung zur Gemischüberwachung für Fluidgemische aus zwei Fluiden

Title (fr)
Dispositif pour contrôler un mélange de deux fluides

Publication
EP 2103873 A3 20110511 (DE)

Application
EP 09004041 A 20090320

Priority
DE 102008015311 A 20080320

Abstract (en)
[origin: EP2103873A2] The device (1) has a set of pressure/displacement converts (11, 12) for converting pressure into force and/or into displacement. A bar (6) is tiltably supported at two movable supports (4, 5), and bar ends (9, 10) are connected with one of the pressure/ displacement converters in such a manner that the bar tilts when the two pressure/displacement converters are not in equilibrium. A detector device detects the tilting of the bar and outputs a signal. The detector device has two safety switches (7, 8) that are attached at stops or at areas of the bar in contact with the stops. Independent claims are also included for the following: (1) a burner device comprising two gas sources (2) a method for monitoring mixture of two gases.

IPC 8 full level
G05D 11/13 (2006.01); **F23D 14/72** (2006.01); **F23N 5/18** (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP)
F23D 14/72 (2013.01); **F23N 5/18** (2013.01); **F23N 5/247** (2013.01); F23N 2005/182 (2013.01); F23N 2005/185 (2013.01); F23N 2225/04 (2020.01)

Citation (search report)
- [A] DE 605873 C 19341119 - KARL LAMPMANN
- [A] US 3058043 A 19621009 - SCHROEDER GEORGE F
- [A] DE 1108960 B 19610615 - CONTINENTAL ELEKTRO IND AG

Cited by
CN117570438A; EP2940388B1

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2103873 A2 20090923; **EP 2103873 A3 20110511**; **EP 2103873 B1 20141001**; DE 102008015311 A1 20090924

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EP 09004041 A 20090320; DE 102008015311 A 20080320