

Title (en)
APPARATUS FOR SPECTROSCOPICALLY ANALYSING A GAS

Title (de)
VORRICHTUNG ZUR SPEKTROSKOPISCHEN ANALYSE EINES GASES

Title (fr)
DISPOSITIF D'ANALYSE SPECTROSCOPIQUE D'UN GAZ

Publication
EP 1996920 A1 20081203 (DE)

Application
EP 07723482 A 20070316

Priority

- EP 2007002525 W 20070316
- DE 102006012740 A 20060317
- DE 102006018862 A 20060413

Abstract (en)
[origin: WO2007107366A1] The invention relates to an apparatus for spectroscopically analysing a gas, said apparatus having at least one radiation source (1), at least one detection apparatus (12; 20), at least one sample chamber (13) and a system of optical elements (4; 5; 6; 7; 9; 10; 11; 18; 19) which is intended and set up to direct at least part (3b) of the radiation (3) emitted by the radiation source (1) through the sample chamber (13) onto the detection apparatus (20), wherein the sample chamber (13) is used to hold a gaseous sample which contains the gas to be analysed, and wherein the apparatus is configured in such a manner that the sample can continuously flow through the sample chamber (13), and means (16) are provided for the purpose of determining the pressure and/or the volume and/or the concentration of the sample in the sample chamber (13). The invention also relates to a corresponding method for spectroscopically analysing a gas.

IPC 8 full level
A61B 5/083 (2006.01); **G01N 21/35** (2006.01)

CPC (source: EP US)
A61B 5/0836 (2013.01 - EP US); **A61B 5/0873** (2013.01 - EP US); **G01N 21/3504** (2013.01 - EP US); **G01N 33/497** (2013.01 - EP US); **G01N 33/004** (2013.01 - EP US)

Citation (search report)
See references of WO 2007107366A1

Citation (examination)
WO 2005041769 A1 20050512 - OTSUKA PHARMA CO LTD [JP], et al

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102006018862 A1 20070920; AU 2007228959 A1 20070927; AU 2007228959 B2 20130117; CA 2645445 A1 20070927; EP 1996920 A1 20081203; US 2009124918 A1 20090514; WO 2007107366 A1 20070927

DOCDB simple family (application)
DE 102006018862 A 20060413; AU 2007228959 A 20070316; CA 2645445 A 20070316; EP 07723482 A 20070316; EP 2007002525 W 20070316; US 29326507 A 20070316