

Title (en)
GAS SENSOR

Title (de)
GASSENSOR

Title (fr)
CAPTEUR DE GAZ

Publication
EP 1934589 A2 20080625 (EN)

Application
EP 06779444 A 20060915

Priority
• GB 2006003432 W 20060915
• GB 0518812 A 20050915

Abstract (en)
[origin: WO2007031769A2] A sensor for detecting a target component in a gas stream comprises a first electrode; a second electrode; an active substrate extending between the first and second electrodes, the active substrate being selective to the target component, such that the presence of the target component varies the electrical conductivity of the path between the first and second electrodes. The active substrate preferably comprises a zeolite, in particular zeolite 4A or 13X. A method of detecting a target component in a gas stream comprises contacting the gas stream with an active substrate extending between first and second electrodes; determining the variation in the electrical conductivity of the path between the first and second electrodes; and providing an indication of the presence of the target component in the gas stream. The method is particularly suitable for analyzing the carbon dioxide content of breath exhaled by a subject in the assessment of respiratory function.

IPC 8 full level
G01N 27/12 (2006.01); **A61B 5/083** (2006.01); **A61B 5/097** (2006.01); **G01N 33/497** (2006.01)

CPC (source: EP)
A61B 5/083 (2013.01); **A61B 5/097** (2013.01); **G01N 27/12** (2013.01)

Citation (search report)
See references of WO 2007031769A2

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007031769 A2 20070322; WO 2007031769 A3 20070628; EP 1934589 A2 20080625; GB 0518812 D0 20051026

DOCDB simple family (application)
GB 2006003432 W 20060915; EP 06779444 A 20060915; GB 0518812 A 20050915