

Title (en)

METHOD FOR THE SIMULTANEOUS DETECTION OF A PLURALITY OF DIFFERENT TYPES OF ATMOSPHERIC POLLUTION USING GAS-SENSITIVE FIELD EFFECT TRANSISTORS

Title (de)

VERFAHREN ZUR GLEICHZEITIGEN DETEKTION MEHRERER UNTERSCHIEDLICHER LUFTBELASTUNGEN MIT GASSENSIVEN FELDEFFEKTTRANSISTOREN

Title (fr)

PROCEDE DE DETECTION SIMULTANEE DE DIFFERENTES POLLUTIONS DE L'AIR PAR DES TRANSISTORS A EFFET DE CHAMP SENSIBLES AU GAZ

Publication

**EP 1904837 A1 20080402 (DE)**

Application

**EP 06777780 A 20060714**

Priority

- EP 2006064260 W 20060714
- DE 102005033226 A 20050715

Abstract (en)

[origin: WO2007009948A1] The invention relates to a gas sensor arrangement for the detection of atmospheric pollution, especially in the air supply of a passenger cabin, said arrangement consisting of at least one silicon chip known in microstructure technology and comprising a plurality of gas-sensitive field effect transistors which read out the gas reactions on sensitive layers in the presence of a target gas, in order to detect at least one target gas respectively characterising a certain type of atmospheric pollution. The inventive gas sensors are economical and robust.

IPC 8 full level

**G01N 27/414** (2006.01); **G01N 33/00** (2006.01)

CPC (source: EP)

**G01N 27/4143** (2013.01)

Citation (search report)

See references of WO 2007009948A1

Cited by

CN105229463A

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)

**DE 102005033226 A1 20070125**; EP 1904837 A1 20080402; WO 2007009948 A1 20070125

DOCDB simple family (application)

**DE 102005033226 A 20050715**; EP 06777780 A 20060714; EP 2006064260 W 20060714