

Title (en)

GAS SENSOR FOR DETECTING NITROGEN OXIDES AND OPERATING METHOD FOR SUCH A GAS SENSOR

Title (de)

GASSENSOR ZUR DETEKTION VON STICKOXIDEN UND BETRIEBSVERFAHREN FÜR EINEN SOLCHEN GASSENSOR

Title (fr)

CAPTEUR DE GAZ POUR LA DÉTECTION DES OXYDES D'AZOTE ET PROCÉDÉ POUR FAIRE FONCTIONNER UN TEL CAPTEUR DE GAZ

Publication

EP 3042189 A1 20160713 (DE)

Application

EP 14795570 A 20141023

Priority

- DE 102013222195 A 20131031
- EP 2014072712 W 20141023

Abstract (en)

[origin: WO2015062955A1] A gas sensor for detecting nitrogen oxides in a gaseous mixture, comprising an oxygen ion conductor and at least two electrodes mounted on the oxygen ion conductor, the electrodes consisting of the same material; characterised in that the gas sensor is designed so that during operation of the gas sensor both electrodes come into contact with the gaseous mixture.

IPC 8 full level

G01N 27/30 (2006.01); **G01N 27/22** (2006.01); **G01N 27/407** (2006.01); **G01N 33/00** (2006.01)

CPC (source: EP KR US)

G01N 27/30 (2013.01 - US); **G01N 27/4071** (2013.01 - EP KR US); **G01N 27/4074** (2013.01 - US); **G01N 33/0037** (2013.01 - EP KR US); **G01N 27/407** (2013.01 - EP US); **G01N 2027/222** (2013.01 - EP); **Y02A 50/20** (2017.12 - EP US)

Citation (search report)

See references of WO 2015062955A1

Citation (examination)

- US 5736028 A 19980407 - HJORTSBERG OVE [SE], et al
- US 6238536 B1 20010529 - LUNDGREN STAFFAN [SE], et al

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 102013222195 A1 20150430; CN 105683744 A 20160615; EP 3042189 A1 20160713; JP 2016535265 A 20161110; JP 6234568 B2 20171122; KR 101833370 B1 20180228; KR 20160079833 A 20160706; US 2016282297 A1 20160929; WO 2015062955 A1 20150507

DOCDB simple family (application)

DE 102013222195 A 20131031; CN 201480059018 A 20141023; EP 14795570 A 20141023; EP 2014072712 W 20141023; JP 2016527187 A 20141023; KR 20167014054 A 20141023; US 201415033790 A 20141023