

Title (en)

METHOD AND DEVICE FOR DETECTING NITROGEN OXIDES IN A GAS MIXTURE

Title (de)

VERFAHREN UND GASSENSOR ZUR DETEKTION VON STICKOXIDEN IN EINEM GASGEMISCH

Title (fr)

PROCÉDÉ ET CAPTEUR DE GAZ POUR DÉTECTER DES OXYDES D'AZOTE DANS UN MÉLANGE GAZEUX

Publication

**EP 3155412 A1 20170419 (DE)**

Application

**EP 15744512 A 20150720**

Priority

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- EP 2015066563 W 20150720

Abstract (en)

[origin: WO2016012407A1] A method for detecting nitrogen oxides in a gas mixture, in which a gas sensor is used which comprises an oxygen ion conductor and at least two electrodes arranged thereupon, the gas sensor is connected with the gas mixture in such a way that both electrodes contact the gas mixture; a polarization voltage or a polarization current is applied to the electrodes during a polarization time period; the current or the voltage at the electrodes is measured during a depolarization time period following the polarization time period; the nitrogen oxide content in the gas mixture is determined from the measured voltage or the measured current; the polarization time period is ended as soon as a specifiable charge amount has flowed since the beginning of the polarization time period.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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