

Title (en)  
COMBINED OXYGEN AND NO<sub>x</sub> SENSOR

Title (de)  
KOMBINIERTER SAUERSTOFF- UND NO<sub>x</sub>-SENSOR

Title (fr)  
DETECTEUR D'OXYGENE ET DE NOX COMBINE

Publication  
**EP 1350090 A4 20060607 (EN)**

Application  
**EP 01271049 A 20011207**

Priority  
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Abstract (en)  
[origin: WO03008957A1] A combined oxygen and NO<sub>x</sub> sensor is provided. Generally, the combined sensor employs a sensor body (220) that includes two different types of electrodes - oxygen-porous electrode layers (16a, 16c) and dissociative oxygen-porous electrode layers (16b, 16d). In accordance with one embodiment of the present invention, the sensor comprises a sensor body, an oxygen content electrical signal output, and a NO<sub>x</sub> content electrical signal output. The sensor body is disposed in the gas and comprises a plurality of oxygen-porous electrode layers and a plurality of dissociative oxygen-porous electrode layers. The dissociative oxygen-porous electrode layers comprise a material selected to dissociation of NO<sub>x</sub> into nitrogen and oxygen.

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CPC (source: EP)  
**G01N 27/4071** (2013.01)

Citation (search report)  
• [X] WO 0057167 A1 20000928 - HITACHI LTD [JP], et al & EP 1174712 A1 20020123 - HITACHI LTD [JP]  
• [X] US 6036841 A 20000314 - KATO NOBUHIDE [JP], et al  
• [A] US 2288873 A 19420707 - D OUVILLE EDMOND L  
• [A] EP 0994346 A2 20000419 - BASF AG [DE]  
• See references of WO 03008957A1

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