

Title (en)
COMBINED OXYGEN AND NO_x SENSOR

Title (de)
KOMBINIERTER SAUERSTOFF- UND NO_x-SENSOR

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

Publication
EP 1350090 A4 20060607 (EN)

Application
EP 01271049 A 20011207

Priority
• US 0147465 W 20011207
• US 25408100 P 20001207

Abstract (en)
[origin: WO03008957A1] A combined oxygen and NO_x 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_x 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_x into nitrogen and oxygen.

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CPC (source: EP)
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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
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• [A] EP 0994346 A2 20000419 - BASF AG [DE]
• See references of WO 03008957A1

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