

Title (en)

CHROMIUM/TITANIUM OXIDE SEMICONDUCTOR GAS SENSOR AND METHOD FOR PRODUCTION THEREOF

Title (de)

METALLOXID-HALBLEITERGASSENSOR UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

DETECTEUR DE GAZ CHROME-TITANE-OXYDE-SEMI-CONDUCTEUR ET PROCEDE PERMETTANT DE LE PRODUIRE

Publication

**EP 1425573 A1 20040609 (DE)**

Application

**EP 02779286 A 20020902**

Priority

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- EP 0209763 W 20020902

Abstract (en)

[origin: WO03023387A1] A metal oxide semiconductor gas sensor and a method for production thereof are disclosed, where the sensor comprises a sensor-active metal oxide thin layer applied to a substrate, in contact with at least one electrode. The sensor-active metal oxide thin layer is embodied as a chromium/titanium oxide (CTO) layer with a layer thickness of 10 nm to 1  $\mu$ m. The chromium and titanium layers are applied over each other using thin layer technology and subsequently tempered.

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