

Title (en)

SENSOR ELEMENT WITH A CERMET BASE LAYER AND A PLATINUM COVER LAYER

Title (de)

SENSORELEMENT MIT CERMET GRUNDSCHICHT UND PLATIN DECKSCHICHT

Title (fr)

ÉLÉMENT SENSIBLE PRÉSENTANT UNE COUCHE DE BASE EN CERMET ET UNE COUCHE DE RECOUVREMENT EN PLATINE

Publication

EP 2847571 A1 20150318 (DE)

Application

EP 13722336 A 20130502

Priority

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- EP 2013059090 W 20130502

Abstract (en)

[origin: WO2013167443A1] A sensor element for a sensor for detecting substances contained in a gas flow is described. The sensor element has a ceramic carrier and an open measuring electrode which is arranged on the carrier and is exposed to the gas flow. The measuring electrode has a ceramic/platinum/cermet base layer arranged on the carrier and a cover layer which is arranged on the base layer and is made of sintered platinum. This results in particularly good properties with respect to the adhesion to the carrier and protection against undesirable deposits.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013167443A1

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