

Title (en)

SENSOR UNIT FOR DETERMINING THE GAS COMPONENT CONCENTRATION.

Title (de)

SENSORELEMENT ZUR BESTIMMUNG DER GASKOMPONENTENKONZENTRATION.

Title (fr)

ELEMENT DETECTEUR PERMETTANT DE DETERMINER LA CONCENTRATION DE COMPOSANTS GAZEUX.

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Application

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Priority

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Abstract (en)

[origin: WO9425864A1] The invention relates to a sensor unit (21) to determine the concentration of a component of a gas mixture, with a diffusion channel (12) leading into a measuring gas chamber (18) and bordering an electrode chamber (24, 25). The dimensions (w) of the diffusion channel of the gas chamber (18) of the sensor (21) are each a multiple of the mean free path. The electrode chamber (25) used is connected to the diffusion channel (12). Supersaturation of the electrode system (13, 15) through the design with additional supports is prevented.

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