

Title (en)

ELECTRODE ARRANGEMENT FOR A DRIFT TUBE

Title (de)

ELEKTRODENANORDNUNG FÜR EINE DRIFTRÖHRE

Title (fr)

ENSEMBLE D'ÉLECTRODES POUR UN TUBE CONDUCTEUR DE PARTICULES

Publication

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Application

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Abstract (en)

[origin: WO2018215618A1] The invention relates to an analysis device (2) for analyzing expiration air of a patient (8), preferably for monitoring a patient under anesthesia during a medical intervention, the analysis device (2) being configured for determining, in the expiration air, a portion of an analyte contained in the expiration air, having: preferably a multi-capillary column (4) for separating the expiration air to be analyzed; and an ion mobility spectrometer (6) in which gas components of the expiration air are ionized and accelerated toward a detection device (20); the analysis device (2) outputting signal excursions (28, 30) which are created by the ionized gas components of the expiration air which hit the detection device (20), wherein a portion of the analyte which is to be determined and is contained in the expiration air to be analyzed is determined by a calibration of the signal excursion (30) of the analyte to a signal excursion (28) which is caused by the air moisture of expiration air.

IPC 8 full level

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Citation (search report)

See references of WO 2018215622A1

Designated contracting state (EPC)

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