Title (en)

OPTICAL DETECTOR OF PARTICLES

Title (de)

OPTISCHER DETEKTOR VON PARTIKELN

Title (fr)

DÉTECTEUR OPTIQUE DE PARTICULES

Publication

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Application

EP 18700929 A 20180125

Priority

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Abstract (en)

[origin: WO2018138223A1] The present invention relates to a particle detector (60) comprising at least: o An optical device (15) configured to emit a luminous radiation; o A substrate (100) extending in a plane (x,y) and defining a channel (50) intended to receive particles (60), the channel (50) extending principally in a direction (z) perpendicular to the principal plane (x,y); characterized in that the detector comprises a matrix (20) of photo detectors (21) and a reflecting surface (41); the matrix (20) of photo detectors (21) and the reflecting surface (41) being disposed on mutually parallel planes and situated on either side of said portion of the substrate (100) so that a part of the luminous radiation passes through the channel (50) on being diffracted by a particle (60), and then reflects off the reflecting surface (41), and then reaches the matrix (20) of photo detectors (21).

IPC 8 full level

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CPC (source: EP KR US)

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