

Title (en)

GAS-INLET ELEMENT FOR A CVD REACTOR

Title (de)

GASEINLASSORGAN FÜR EINEN CVD-REAKTOR

Title (fr)

ORGANE D'ADMISSION DE GAZ POUR UN REACTEUR DE DEPOT CHIMIQUE EN PHASE VAPEUR

Publication

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Application

EP 20742191 A 20200710

Priority

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Abstract (en)

[origin: WO2021009019A1] The invention relates to a gas-outlet area (16) of a gas-inlet element (2) for a CVD reactor (1) or a shielding plate (14) for a gas-inlet element (2), which has a multiplicity of gas-outlet openings (7, 17) arranged around a centre (10), wherein the centre points (8') of the gas-outlet openings (7, 17) lie at the corner points (8') of polygonal, identically formed cells (8) having a geometrical centre point (9), wherein the positioning and the length of the edges (8'') of the cells (8) are defined by crossing reference lines (13, 13', 13''), the reference lines (13, 13', 13'') are assigned to at least two families of lines, and the reference lines respectively of a family of lines extend in a straight line and parallel to one another over the entire gas-outlet area. According to the invention, the centre (10) is at a distance from the corner point (8') equivalent to one third \pm 10 percent of the length of the edge.

IPC 8 full level

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CPC (source: EP KR US)

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