

Title (en)

GAS INLET DEVICE FOR A CVD REACTOR

Title (de)

GASEINLASSVORRICHTUNG FÜR EINEN CVD-REAKTOR

Title (fr)

DISPOSITIF D'ENTRÉE DE GAZ POUR UN RÉACTEUR CVD

Publication

**EP 3887569 A2 20211006 (DE)**

Application

**EP 19816554 A 20191127**

Priority

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Abstract (en)

[origin: WO2020109361A2] The invention relates to a gas inlet device for a CVD reactor (1) comprising a gas inlet organ that can be fastened to a fastening portion (3) having gas supply conduits (5), said organ comprising multiple gas distribution levels arranged one above the other, each level having a gas distribution wall (6) with gas outlet openings (7) that are fluidically connected to a gas distribution chamber (8) surrounded by the gas distribution wall (6), wherein the mouths (10) of respective gas inlet channels (9.1, 9.2, 9.3, 9.4, 9.5) open into the gas distribution chamber (8) and the gas distribution chambers (8) of different gas distribution levels are separated from one another by a base partition (11). According to the invention, a flow barrier is situated between the mouth (10) of the gas inlet channel (9.1, 9.2, 9.3, 9.4, 9.5) and the gas distribution wall (6). In addition, the gas inlet device consists of multiple discoid gas distribution bodies (4.1, 4.2, 4.3, 4.4) arranged one above the other.

IPC 8 full level

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