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(54) Title: FLOW DISTRIBUTOR AND REACTOR USING SUCH FLOW DISTRIBUTOR

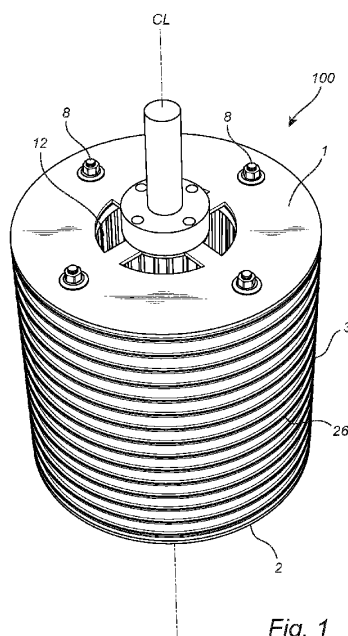


Fig. 1

(57) Abstract: A cylindrical flow distributor (100) for performing, by means of solid reaction members, a biological or chemical transformation, or physical or chemical trapping from, or release of agents to, a fluidic media is provided. The flow distributor (100) comprises: a top wall (1); a bottom wall (2) comprising a central through going opening (13); and an outer wall (3) extending between the top wall (1) and the bottom wall (2). The top wall (1), the bottom wall (2) and an inner envelope surface (5) of said outer wall (3) together define a confinement (7) configured to contain solid reaction members or a rigid body of a reaction member material. The outer wall (3) comprises a first plurality of longitudinally extending ribs (20) arranged side by side with longitudinal gaps (21) extending in the circumferential direction between two adjacent ribs (20), and a circumferentially extending first scaffold (22) encircling and being fixedly attached to a peripheral outer surface (29) of said plurality of longitudinally extending ribs (20). Further, a reactor using such flow distributor (100) is provided.

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