Title (en)

FLOW RECTIFIER

Title (de)

STRÖMUNGSGLEICHRICHTER

Title (fr)

RECTIFICATEUR D'ÉCOULEMENT

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Application

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Abstract (en)

[origin: WO2022263090A1] The invention relates to a flow conditioner comprising: a diffuser (100) having a guide vane (110) located inside the lumen (100*) thereof; a flow rectifier (200) having at least one disc-shaped flow obstruction (210) which is located inside the lumen thereof and has a plurality of flow openings; and a confuser (300). The diffuser, the flow rectifier, and the confuser are fluidically connected in series so as to form a flow path of the flow conditioner which extends from one (inlet-side) flow opening (100a) of the diffuser (100) to one (outlet-side) flow opening (300b) of the confuser (300) and involves the lumens (100*, 200*, 300*) of the diffuser, flow rectifier, and confuser. The guide vane (110) of the diffuser has at least one sleeve-shaped deflector vane (111) and a plurality of spaced-apart connecting elements (112) each connected both to the deflector vane (111) and to the wall (101) of the diffuser. The guide vane (110) is also designed and positioned such that the deflector vane (111) is spaced apart from the wall (101) of the diffuser and is coaxial with the lumen (100*) of the diffuser.

IPC 8 full level

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