

Title (en)

DEVICE FOR PUMPING GASEOUS SUSPENSIONS, PARTICULARLY FIBER SUSPENSIONS

Title (de)

VORRICHTUNG ZUM PUMPEN VON GASHALTIGEN SUSPENSIONEN, INSBESONDERE FASERSTOFFSUSPENSIONEN

Title (fr)

DISPOSITIF DE POMPAGE DE SUSPENSIONS GAZEUSES, EN PARTICULIER DE SUSPENSIONS FIBREUSES

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Application

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Abstract (en)

[origin: WO2009082775A1] The invention relates to a device for pumping gaseous suspensions, particularly fiber suspensions, comprising a fluidization rotor (2) having one or more blades (5), and a pump impeller and a pressure connector (7), wherein the fluidization rotor (2) is disposed in the intake connector (6) of the pump (1) and comprises a hub (3), the fluidization rotor (2) being free at the center on the inlet end (4) and the blades (5) acting freely without reinforcement or connection among each other. It is characterized in that the ratio of the free length (FI) of the fluidization rotor (2) to the fluidization rotor diameter (Dr) is between 0% and 75%. In this way, the necessary stability can be ensured for practically all areas of application.

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