

Title (en)

VENTURI DEVICE HAVING A MULTI-INJECTION PORT FOR LIQUID FORMULA ATOMIZATION

Title (de)

VENTURI-VORRICHTUNG MIT MEHRFACHEINSPRITZPORT ZUR ZERSTÄUBUNG EINER FLÜSSIGKEIT

Title (fr)

DISPOSITIF VENTURI COMPRENANT UN ORIFICE MULTI-INJECTION POUR L'ATOMISATION DE FORMULE LIQUIDE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2023017724A1] The invention relates to a Venturi device (100) comprising: a longitudinal central axis (X1); a mounting flange (160) on which a liquid reservoir (200) containing liquid formula (L) is detachably mounted in a liquid-tight manner; and, an internal passage (110) extending along the longitudinal central axis (X1), the internal passage comprising: a converging section (130) comprising an inlet (132) with an inner diameter (D1) and an outlet (134) with an inner diameter (D4) respectively located on each end thereof; a diverging section (140) comprising an inlet (142) with an inner diameter (D5) and an outlet (144) with an inner diameter (D2) respectively located on each end thereof; and an acceleration and mixing section (150) comprising an inlet (152) with an inner diameter (D3) and an outlet (154) with an inner diameter (D3) respectively located on each of two ends thereof; wherein the outlet (134) of the converging section (130) is connected to the inlet (152) of the acceleration and mixing section (150), and the outlet (154) of the acceleration and mixing section (150) is connected to the inlet (142) of the diverging section (144), characterized in that two or more injection ports (120) are formed in the mounting flange (160), which penetrate the mounting flange (160) into the internal passage (110), and that the liquid formula (L) has viscosity of over 0.5 Pa·s.

IPC 8 full level

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Citation (search report)

See references of WO 2023017724A1

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