

Title (en)

DEVICE FOR GENERATING A JET OF TWO-PHASE FLUID

Title (de)

VORRICHTUNG ZUR ERZEUGUNG EINES STRAHLS EINES ZWEIPHASIGEN FLUIDS

Title (fr)

DISPOSITIF DE GENERATION D'UN JET DE FLUIDE DIPHASICUE

Publication

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Application

**EP 21815553 A 20211026**

Priority

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Abstract (en)

[origin: WO2022090662A1] The present invention relates to a device for generating a jet of two-phase fluid, comprising a nozzle having a main duct (1) that is fed by a pressurized gaseous fluid and opens into a mixing chamber (400), and at least one secondary duct (301 to 305) that is fed by at least one pressurized fluid and opens into the mixing chamber (400) in a direction forming a non-zero angle with the axis of the main duct. The mixing chamber (400) has a convergent-divergent cylindrical wall having a constriction (430) defining an opening in the plane perpendicular to the axis of the main duct. The convergent part (410) of the wall has a frustoconical region in the continuation of the axis of the at least one secondary duct (301 to 305) so as to form a fragmentation chamber for the liquid phase.

IPC 8 full level

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