

DEVICE FOR GENERATING A JET OF TWO-PHASE FLUID

Abstract

5 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 with 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
10 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 said main duct.

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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.

20 Figure 1