

Title (en)
FOAM GENERATING DEVICE

Title (de)
SCHAUMSTOFFHERSTELLUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE GENERATION DE MOUSSE

Publication
EP 0869841 A1 19981014 (FR)

Application
EP 97931836 A 19970701

Priority

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Abstract (en)
[origin: US6042089A] PCT No. PCT/FR97/01167 Sec. 371 Date Feb. 26, 1998 Sec. 102(e) Date Feb. 26, 1998 PCT Filed Jul. 1, 1997 PCT Pub. No. WO98/00227 PCT Pub. Date Jan. 8, 1998A device for generating foam by the Venturi effect mixes liquid and gaseous phases. The device has a liquid insertion nozzle on the same axis as a Venturi stage having a converging portion disposed facing the nozzle, a throat of diameter "D", and a gas inlet coaxial with the nozzle and in communication with the converging portion. In operation, the gas is sucked in by the Venturi effect and directed towards a mixing chamber connected to a foam outlet. Mixing between the two phases takes place in a free jet, and the diverging portion of the Venturi has at least three zones of progressive cone angles, with discontinuities between the zones giving rise to a cavitation phenomenon, and opening out into a turbulent chamber.

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IPC 8 full level
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