

Publication

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Application

**EP 91915673 A 19910827**

Priority

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Abstract (en)

[origin: WO9203220A1] In an aeration apparatus in which a dense dispersion of bubbles is formed within a substantially vertical pipe (3) by the emission of liquid under pressure through a downwardly facing nozzle (2) into the upper end of the pipe (3) and the entrainment of air or other gas through inlet (6), the performance of the apparatus is improved or modified by the incorporation of a draft tube (30) within the pipe. The draft tube (30) serves to provide an ideal cross-section to control the jet issuing from the nozzle (2) and inhibit the formation of large bubbles in the pipe (3). The draft tube may be provided with holes (32) and may adapt various tapering configurations as disclosed in different embodiments of the invention. The use of multiple nozzles (2) and corresponding draft tubes within the pipe (3) is also described.

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IPC 8 full level

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 9203218A1

Cited by

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**WO 9203220 A1 19920305**; CA 2090619 A1 19920228; CN 1060453 A 19920422; EP 0546033 A1 19930616; EP 0546033 A4 19940202; JP H06500260 A 19940113; KR 930702065 A 19930908; MX 9100829 A 19920401; MX 9100830 A 19920401; WO 9203218 A1 19920305; WO 9203219 A1 19920305; ZA 916774 B 19920527; ZA 916775 B 19920527

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