

Title (en)
MULTI-CHANNEL MIST HEAD

Title (de)
MEHRKANAL-NEBELKOPF

Title (fr)
TÊTE DE BRUMISATION MULTICANAL

Publication
EP 4368296 A1 20240515 (EN)

Application
EP 22020555 A 20221114

Priority
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Abstract (en)
Multi-channel mist head for spraying liquids, especially of a two-phase mixture, comprising a supply stem and a dome conjoined and leakproof, provided with internal channels ending with egress ducts, according to the invention, is characterized in that the dome is equipped with one central channel located along the axis of symmetry d-d of the dome and at least two side channels separate from the axis of symmetry d-d of the dome, the central channel and each side channel, comprising, from the side of the supply channel of the supply stem, a cylindrical segment that passes into a conical taper ended with an egress duct, and at least part of the cylindrical segments is fitted with a stator of a diameter that strictly matches the diameter of said cylindrical segments, the stator comprising a core arranged along the longitudinal axis of said cylindrical segments, and on said core, along a variable pitch helix, at least two identical vanes wound same way relative to the core are placed.

IPC 8 full level
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CPC (source: EP)
B05B 1/14 (2013.01); **B05B 1/3415** (2013.01); **B05B 1/3494** (2013.01); **B05B 15/65** (2018.02)

Citation (applicant)
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Designated contracting state (EPC)
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