

Title (en)

DEVICE FOR LINEAR SPRAYING OF A LIQUID, PARTICULARLY A COOLING LIQUID

Title (de)

LINEARE ZERSTÄUBUNGSVORRICHTUNG FÜR FLÜSSIGKEITEN, INSBESONDERE FÜR KÜHLFLÜSSIGKEITEN

Title (fr)

APPAREIL DE PULVERISATION LINEAIRE D'UN LIQUIDE, NOTAMMENT DE REFROIDISSEMENT

Publication

EP 0660755 B1 19961023 (FR)

Application

EP 93920887 A 19930916

Priority

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Abstract (en)

[origin: US5628460A] PCT No. PCT/FR93/00891 Sec. 371 Date Mar. 14, 1995 Sec. 102(e) Date Mar. 14, 1995 PCT Filed Sep. 16, 1993 PCT Pub. No. WO94/06569 PCT Pub. Date Mar. 31, 1994A device for linear spraying of a liquid includes a series of tubes (31) which supply liquid from a supply pipe (4) to an elongated spray nozzle (7) in the wall of a chamber (1) and a pipe (2) for delivering gas to the chamber to drive the liquid out of the enclosure. An elongate element (5) is provided in the enclosure to receive the liquid from the feed means. The liquid is spread over a convex surface (51) of the element and is then carried off by the gas and flows to two elongate slits (81,82) adjacent to the nozzle (7) and converging towards the latter. The width of these slits varies periodically and interdependently over their length to form two sheets of the liquid/gas mixture which come together at the nozzle (7) to form at its outlet a mist of liquid confined within an angle (α) from the nozzle.

IPC 1-7

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