

Title (en)

High flow monodispersed aerosol generating device.

Title (de)

Vorrichtung zum Erzeugen von monodispersiertem Aerosol mit hohem Durchfluss.

Title (fr)

Dispositif générant avec un débit élevé un aérosol monodispersé.

Publication

EP 0446134 B1 19940803 (FR)

Application

EP 91400621 A 19910307

Priority

FR 9002914 A 19900308

Abstract (en)

[origin: EP0446134A1] The aerosol-generating device, of the sprayer type having a rotating disc, comprising a plane disc (1), dish or axisymmetric member rotating at high speed, a tube (4) for supplying the liquid to be dispersed or a liquid reservoir fitted at its base with an orifice which emerges at the centre of the axisymmetric member or in its vicinity, being able to comprise concentric obstacles disposed on the surface of the axisymmetric member, and of the type in which the rotational speed, the dimensions of the rotated member and the liquid flow rate define operating conditions such that fluid jets are formed around the periphery of the rotating member, the device being characterised in that it comprises means for disturbing the flow of the liquid to be dispersed which generate a capillary wave propagating towards the periphery of the rotating member. Application to experimental research, to agriculture. <IMAGE>

IPC 1-7

B05B 3/10; **B05B 17/06**

IPC 8 full level

B05B 3/10 (2006.01); **B05B 17/06** (2006.01)

CPC (source: EP)

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Cited by

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