

Title (en)

Device for the spraying of a liquid, particularly of a liquid fuel in a burner.

Title (de)

Vorrichtung zur Zerstäubung einer Flüssigkeit, insbesondere eines flüssigen Brennstoffes in einem Brenner.

Title (fr)

Dispositif de pulvérisation d'un liquide, notamment d'un combustible liquide dans un brûleur.

Publication

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Application

EP 93400056 A 19930113

Priority

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Abstract (en)

[origin: EP0552089A1] The present invention relates to a device for spraying a liquid, particularly a liquid fuel in a burner, of a type comprising a rotary head (8) for centrifuging the liquid, driven rotationally by action of a gas, in particular of the combustion air, on blades (14) which are integral with it. The centrifuged liquid escapes from the centrifuging head (8) via a radially external periphery (12) of the latter which is situated upstream of the blades (14) with reference to a direction (13) of blowing of the gas, in a zone of high pressure of the latter, and offset radially in relation to a radially external periphery (47) of the blades (14). In the case of a burner, any propagation of the flame as far as the centrifuging head is avoided, which makes it possible to avoid soiling of the centrifuging head (8), and the choice of the respective diameters of the radially external periphery of the blades and of that of the centrifuging head can be optimised. <IMAGE>

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