

Title (en)

LIQUID ATOMIZER COMPRISING A PIEZOELECTRIC ELEMENT AND IRON COMPRISING SUCH AN ATOMIZER

Title (de)

FLÜSSIGKEITSZERSTÄUBER MIT EINEM PIEZOELEKTRISCHEN ELEMENT UND EISEN MIT SOLCH EINEM ZERSTÄUBER

Title (fr)

ATOMISEUR DE LIQUIDE COMPORTANT UN ELEMENT PIEZOELECTRIQUE ET FER A REPASSER COMPORTANT UN TEL ATOMISEUR

Publication

EP 3350367 A1 20180725 (FR)

Application

EP 16777721 A 20160913

Priority

- FR 1558571 A 20150914
- FR 2016052296 W 20160913

Abstract (en)

[origin: WO2017046500A1] Liquid atomizer (6) comprising a piezoelectric element (8) fixed on a vibrational-displacement amplifying horn (9) comprising a cavity (90) containing the liquid that is to be atomized, the said horn (9) comprising a first part (92) receiving the piezoelectric element (8) and a second part (93), distinct from the first part (92), coupled mechanically and acoustically to a microperforated membrane (91) that closes off one side of the said cavity (90), characterized in that the said cavity (90) is supplied with liquid coming from a reservoir (5) by means of a pump (51) having a throughput greater than the spray throughput of the atomizer (6) in operation, and in that the said horn (9) comprises at least one outlet hole (94) connecting the cavity (90) to a bypass pipe (66) leading towards the reservoir (5).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2017046500A1

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