

Title (en)
Micro-droplet generator

Title (de)
Mikrotröpfchen-Erzeuger

Title (fr)
Générateur de micro-gouttelettes

Publication
EP 1775027 B1 20121205 (EN)

Application
EP 05447232 A 20051013

Priority
EP 05447232 A 20051013

Abstract (en)
[origin: EP1775027A1] A micro-droplet generator comprises a main body, having a chamber (11) accommodating liquid to be sprayed and a lateral opening (12), a spraying plate (20), placed in the opening and having a plurality of spraying holes (21) as well as an inner side, a vibrating element (30), glued on the spraying plate and driving vibrations thereof, and a top surface carrier (4), placed inside the chamber and having a top surface (41) that with the inner side of the spraying plate forms an inner part of the chamber, wherein a narrow space is left between the inner side of the spraying plate and the top surface of the projection, which upon the vibrations of the spraying plate has a varying width, upon becoming wider sucking in liquid from the chamber, and upon becoming narrower pressing out liquid through the spraying holes.

IPC 8 full level
B05B 17/06 (2006.01)

CPC (source: EP)
B05B 17/0646 (2013.01); **B05B 17/0676** (2013.01)

Cited by
EP2462833A4; CN105890861A; WO2010002953A1

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