

Title (en)
DROP DISPENSER DEVICE

Title (de)
TROPFENSPENDERVORRICHTUNG

Title (fr)
DISPOSITIF DE DISPENSE DE GOUTTES

Publication
EP 1827694 A1 20070905 (FR)

Application
EP 05848241 A 20051222

Priority
• FR 2005051131 W 20051222
• FR 0453211 A 20041223

Abstract (en)
[origin: FR2879946A1] The dispenser consists of first and second substrates (42, 46), the first having an aperture (40) for introducing a fluid, and the second equipped with a series of electrodes: a transfer electrode (44) at least partially facing the aperture; at least two droplet forming electrodes (50, 52); and at least one reservoir electrode (48) that is associated with the transfer and droplet forming electrodes and has a surface at least three times as great as each of the latter. A variant of the design can have at least one additional reservoir electrode with transfer electrodes situated between or associated with them.

IPC 8 full level
B01L 3/02 (2006.01)

CPC (source: EP US)
B01L 3/502792 (2013.01 - EP US); **F04B 19/006** (2013.01 - EP US); **B01L 3/0241** (2013.01 - EP US); **B01L 2200/0605** (2013.01 - EP US); **B01L 2300/0816** (2013.01 - EP US); **B01L 2300/089** (2013.01 - EP US); **B01L 2400/0427** (2013.01 - EP US)

Citation (search report)
See references of WO 2006070162A1

Designated contracting state (EPC)
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FR 0453211 A 20041223; EP 05848241 A 20051222; FR 2005051131 W 20051222; JP 2007547602 A 20051222; US 72263705 A 20051222