

Title (en)  
DROP DISPENSER DEVICE

Title (de)  
TROPFENSPENDERVORRICHTUNG

Title (fr)  
DISPOSITIF DE DISPENSE DE GOUTTES

Publication  
**EP 1827694 B1 20130220 (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 (examination)  
• WO 2006008424 A2 20060126 - COMMISSARIAT ENERGIE ATOMIQUE [FR], et al  
• EP 1627685 A1 20060222 - HITACHI HIGH TECH CORP [JP]

Designated contracting state (EPC)  
CH DE GB IT LI

DOCDB simple family (publication)  
**FR 2879946 A1 20060630; FR 2879946 B1 20070209**; EP 1827694 A1 20070905; EP 1827694 B1 20130220; JP 2008525778 A 20080717; JP 4824697 B2 20111130; US 2008142376 A1 20080619; US 7922886 B2 20110412; WO 2006070162 A1 20060706

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