

Title (en)
Liquid dispensing and atomizing device.

Title (de)
Flüssigkeitsabgabe und Zerstäubungseinrichtung.

Title (fr)
Appareil pour la distribution et l'atomisation d'un liquide.

Publication
EP 0092359 A2 19831026 (EN)

Application
EP 83302030 A 19830412

Priority
GB 8211489 A 19820421

Abstract (en)
A liquid dispensing and atomizing device comprises a reservoir (22) for liquid to be dispensed, a capillary feed device, preferably a wick (23) of absorbent material, for feeding liquid from the reservoir (22) and nozzle means (9, 10) for directing a jet of air or other gas under pressure over or against the tip of the wick (23), or other capillary feed device, whereby liquid in the tip is dispensed as an atomized spray in the jet leaving the tip and liquid is simultaneously drawn to the tip from the reservoir (1). The nozzle means (9, 10) is connected to a source (1) of compressed air or other gas through a manually-operable valve (5). With such a device, a variety of effects can be produced in a simple manner, particularly in the graphics art and fine art fields. In a further embodiment a conventional felt or fibre-tip pen, or a conventional technical drawing pen is used as the liquid reservoir.

IPC 1-7
B05B 7/24; B43K 5/00; A46B 11/00; A61B 19/00; A61M 11/02; A61M 15/00; A61M 31/00; A61M 35/00

IPC 8 full level
B05B 7/04 (2006.01); **B05B 7/24** (2006.01); **B05B 9/04** (2006.01); **B43K 8/00** (2006.01); **B65D 83/14** (2006.01)

CPC (source: EP)
B05B 7/2459 (2013.01); **B43K 8/006** (2013.01); **B65D 83/60** (2013.01); **B65D 83/685** (2013.01)

Cited by
US4542039A; AU2012273728B2; CN1080597C; GB2481631A; EP0625375A3; US4860738A; EP0396462A3; FR2781208A1; AU2012273729B2; EP3281603A1; GB2168624A; CN109922892A; GB2303319A; GB2481635A; GB2303087A; GB2303087B; GB2245196A; GB2245196B; US10035156B2; US6270021B1; US9393333B2; US9339578B2; US9486822B2; US10398527B2; WO9803269A1; WO2012175971A1; WO2012175972A1; WO8801202A1; WO2013001048A1; US6892960B2; US10092086B2; US11160360B2; US10882064B2; US11241704B2; US9259750B2; US10639136B2; US11040360B2; US11548018B1; US11679399B2; US9266072B2; US9648943B2; US10238203B2; US10912378B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0092359 A2 19831026; **EP 0092359 A3 19850821**; AU 1361983 A 19831027; JP S59350 A 19840105

DOCDB simple family (application)
EP 83302030 A 19830412; AU 1361983 A 19830418; JP 7087083 A 19830421