

Title (en)

DISCHARGE DEVICE FOR AT LEAST ONE MEDIUM

Publication

**EP 0451615 A3 19920812 (DE)**

Application

**EP 91104833 A 19910327**

Priority

DE 4011537 A 19900410

Abstract (en)

[origin: EP0451615A2] A discharge device with a liquid pump (5) and an air pump (6) has a control valve (15) for the latter lying very close to the discharge opening, the mouth (20) of which opens directly into a terminal duct (16) forming the discharge opening, so that pressure losses are largely avoided. For cleaning, at least in the area of the discharge opening, a control is provided by means of which air continues to be delivered on termination of the liquid delivery. In this way a very fine atomisation is possible with a simple design. <IMAGE>

IPC 1-7

**B65D 83/44**; **B05B 11/00**

IPC 8 full level

**B05B 11/00** (2006.01); **B65D 83/44** (2006.01)

CPC (source: EP)

**B05B 11/1018** (2023.01); **B05B 11/1087** (2023.01)

Citation (search report)

- [AD] DE 3722469 A1 19890119 - PFEIFFER ERICH GMBH & CO KG [DE]
- [A] US 4179049 A 19791218 - UMSTEAD HERBERT R [US]

Cited by

FR2842875A1; US5458289A; US5397059A; EP0519779A1; FR2677617A1; FR2719789A1; US5752627A; US5350116A; US5348189A; EP0561666A1; FR2688714A1; US7147135B2; WO2004011153A3; WO9530490A1; WO9712686A1; WO9507763A1

Designated contracting state (EPC)

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