

Title (en)
Air-pressurized sprayer.

Title (de)
Druckluftzerstäuber.

Title (fr)
Distributeur de matières sous pression utilisant de l'air comprimé.

Publication
EP 0037496 A1 19811014 (EN)

Application
EP 81102097 A 19810320

Priority

- JP 4162580 A 19800331
- JP 8169480 A 19800617
- JP 8368780 U 19800617
- JP 8368880 U 19800617
- JP 11648780 U 19800818

Abstract (en)
An air-pressurized sprayer (10) comprises a valve housing (14) attached to the top portion of a container (12) containing a liquid to be sprayed, and a cylinder (16) removably attached to the bottom portion of the container (12) to extend upward inside the container (12). The valve housing (14) includes a descendable nozzle (29), a one-way valve (18) for spraying which opens in connection with a descending action of the nozzle (29), and a pipe (31) for leading the liquid in the container (12) into the spraying valve (18). On the other hand, the cylinder (16) includes a piston (54) having a seal (78) and slidable along the inner peripheral surface of the cylinder, and a one-way valve (42) for air pressurization which allows air pressurized by the slide of the piston (16) to flow into the container (12).

IPC 1-7
B65D 83/14; **F04B 9/14**

IPC 8 full level
B05B 9/08 (2006.01); **B05B 11/00** (2006.01); **F04B 3/00** (2006.01); **B65D 83/14** (2006.01)

CPC (source: EP)
B05B 9/0822 (2013.01); **B05B 11/0027** (2013.01); **B65D 83/22** (2013.01); **F04B 3/003** (2013.01); **B65D 2215/04** (2013.01)

Citation (search report)

- US 3348740 A 19671024 - O'DONNELL WILLIAM R
- US 3848778 A 19741119 - MESHBERG P
- US 3955720 A 19760511 - MALONE DAVID C

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EP0520285A1; US5267674A; US5480069A; EP0574684A3; US5460300A; FR2677618A1

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BE CH IT NL

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DOCDB simple family (application)
EP 81102097 A 19810320; AR 28478181 A 19810330; BR 8101902 A 19810330; CA 373482 A 19810320; MX 18660881 A 19810330