

Title (en)
SPRAY APPARATUS

Publication
EP 0374117 A3 19910123 (EN)

Application
EP 89850433 A 19891212

Priority
SE 8804522 A 19881214

Abstract (en)
[origin: EP0374117A2] Spray apparatus fo carrier-less high pressure spraying of materials, for example mortar, comprising a pump housing (31) having an inlet (9) for the material with an associated non-return valve (13), and having an outlet (11) for the material with an associated counter-placed non-return valve (23), and pressure means (41) generating alternately pressure and suction for pressurizing and feeding the material. The spray apparatus further comprises a mobile piston (43), which is placed under a determined but adjustable counter-pressure, so that when a pre-selected pressure has been generated in the pump housing (3) this pressure will be maintained at a constant level by displacing the mobile piston (45) outwardly so as to increase the dead volume (51) of the pump housing.

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F04B 49/00

IPC 8 full level
E04F 21/08 (2006.01); **F04B 49/12** (2006.01)

CPC (source: EP US)
E04F 21/08 (2013.01 - EP); **F04B 49/123** (2013.01 - EP US)

Citation (search report)
• [X] DE 3248364 A1 19830714 - RICOH KK [JP]
• [X] GB 2137286 A 19841003 - COAL IND
• [X] DE 1653497 A1 19710415 - KRUEGER GMBH H

Cited by
CN105756328A; CN107905502A

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI NL

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EP 0374117 A2 19900620; EP 0374117 A3 19910123; SE 462674 B 19900813; SE 8804522 D0 19881214; SE 8804522 L 19900615

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