

Title (en)
ADJUSTABLE FLOW TEXTURE SPRAYER WITH PERISTALTIC PUMP

Title (de)
STRUKTURSPRÜHVORRICHTUNG MIT VERSTELLBAREM DURCHFLUSS UND SCHLAUCHPUMPE

Title (fr)
PULVERISATEUR DE TEXTURE A DEBIT REGLABLE EQUIPE D'UNE POMPE PERISTALTIQUE

Publication
EP 1511575 B1 20090114 (EN)

Application
EP 03737034 A 20030613

Priority
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• US 44060403 P 20030116

Abstract (en)
[origin: WO03106042A1] A texture sprayer (10) has a cart (12) containing one adjustable flow peristaltic pumps (14), a motor (16)), a material supply hopper (18) and a flow control device (20). A double-ended motor shaft may be provided wherein one end drives the pump (14) and the other end drives an air compressor (22). A hose retention mechanism (26) on the pump (14), consists of a coupled hose (28), a hose retainer plate (30), a mounting plate (32) and a retainer screw (34). An adjustor (40), which is a variable force device for varying the amount of tension on the hose (28) closer or farther away from center of the rotor (42) by raising and lowering the mounting plate (32) relative to the cart (12), rotor (42) and rollers (44). In the pump (14), the distance over which the hose (28) is stretched is made or adjustable so that a variable rate of flow may be achieved.

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Cited by
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