

Title (en)
Spray device

Title (de)
Sprühvorrichtung

Title (fr)
Dispositif de pulvérisation

Publication
EP 0535499 B1 19960117 (DE)

Application
EP 92116138 A 19920921

Priority
DE 9112386 U 19911004

Abstract (en)
[origin: US5285966A] To avoid the use of propellants which are harmful to the environment, a spraying apparatus employs a supply chamber which contains a material to be sprayed and includes a pressure chamber of variable volume. This pressure chamber of variable volume is connected to actuating structure which is provided for increasing the volume of the pressure chamber and thus for sucking material from the supply chamber into the pressure chamber. Since the material within the pressure chamber is kept under pressure by pressurizing structure, a nonreturn valve is disposed in the suction conduit leading to the supply chamber. Material can be sprayed with the aid of the spraying apparatus without any harmful effects on the environment, the use of conventional spraying heads being here possible.

IPC 1-7
B05B 9/08

IPC 8 full level
B65D 83/16 (2006.01); **B05B 9/08** (2006.01); **B65D 83/28** (2006.01); **B65D 83/42** (2006.01); **B65D 83/58** (2006.01)

CPC (source: EP KR US)
B05B 1/20 (2013.01 - KR); **B05B 9/0883** (2013.01 - EP US)

Cited by
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Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 5285966 A 19940215; AT E133093 T1 19960215; AU 2616992 A 19930408; AU 659496 B2 19950518; BR 9203872 A 19930427; CA 2079747 A1 19930405; DE 59205089 D1 19960229; DE 9112386 U1 19911128; DK 0535499 T3 19960603; EP 0535499 A1 19930407; EP 0535499 B1 19960117; ES 2086036 T3 19960616; GR 3019610 T3 19960731; JP H05319465 A 19931203; KR 930007514 A 19930520; TW 213434 B 19930921; ZA 927634 B 19930430

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US 95430192 A 19920930; AT 92116138 T 19920921; AU 2616992 A 19921002; BR 9203872 A 19921005; CA 2079747 A 19921002; DE 59205089 T 19920921; DE 9112386 U 19911004; DK 92116138 T 19920921; EP 92116138 A 19920921; ES 92116138 T 19920921; GR 960401005 T 19960409; JP 26634992 A 19921005; KR 920018136 A 19921002; TW 81108252 A 19921016; ZA 927634 A 19921005