

Title (en)

Spraying or delivering apparatus for fluid product with suction of the product contained in the outlet pipe at the end of the actuation.

Title (de)

Sprüh- oder Abgabevorrichtung eines flüssigen Produktes mit Ansaugen des im Austrittskanal enthaltenen Produktes am Ende der Betätigung.

Title (fr)

Dispositif de pulvérisation ou de distribution de produit fluide, à aspiration du produit contenu dans le canal de sortie en fin d'actionnement.

Publication

EP 0486378 B1 19950816 (FR)

Application

EP 91403023 A 19911108

Priority

FR 9014028 A 19901113

Abstract (en)

[origin: EP0486378A1] Pump for delivering or spraying a fluid product, comprising a pump body (201) delimiting a pump chamber (206) in which a piston (203) slides, the said pump comprising a hollow push rod (207, 208) provided with an outlet passage (241), the said push rod being connected to the piston in order to actuate the said piston and to permit the output of the product, the said pump furthermore comprising a suction chamber (219) which communicates with the hollow push rod and which reduces in volume when the push rod is pressed and increases in volume when the push rod is no longer being pressed, characterised in that the said suction chamber (219) is delimited by the piston (203) and the push rod (207, 208) and the volume of the said chamber varies by relative sliding of the push rod and the piston. <IMAGE>

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CPC (source: EP US)

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Cited by

FR2704524A1; US6119902A; EP0757004A4; EP1210983A3; EP1935502A1; EP1935501A1; US10512926B2; WO9425175A1; WO2018024657A3; US6702156B2; US6938803B2; US7472809B2

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