

Title (en)
AUTOMATIC SPRAY CAN

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Application
EP 89116264 A 19890902

Priority
DE 3832852 A 19880928

Abstract (en)
[origin: EP0361132A2] A spray can is described for the spraying of liquid products, with a product container (26), which is situated in a housing shell and has a spray head (1a, 1-5) which is provided with a product channel (51) and an air-supply pipe (14; 20), the latter being connected to the pressure connection of an air pump, the spray head (1a, 1-5) having a closure part (2), an operating part (1), which is displaceable in relation to the latter, and fittings (13) for the introduction of compressed air into the nozzle (4) of the spray head (1a, 1-5). <??>In order that, upon switching off of the spray device, the compressed air, which produces the spray jet, is stopped promptly, so that no subsequent spraying or dripping takes place, it is envisaged according to the invention that the closure part (2) has a passage (61) which is provided with pipe connections (20, 21, 27) and in which a control slider (13), which is movable with the operating part (1), prestressed by a return spring (15) and has passages (22, 28, 19, 62) and sealing beads (29, 30) for air and product liquid, is held movably. In this connection, there is a spraying position, an adjacent venting position upon partial relief of the return spring (15) and a closed position when there is maximum relief of the return spring (15), the control slider (13) being situated, in the latter position, in its uppermost position which projects the furthest from the passage (61). <IMAGE>

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Citation (search report)
• [A] EP 0000117 A1 19790110 - WELLA AG [DE]
• [A] GB 591609 A 19470822 - THOMAS WINTER NICHOLS
• [A] DE 3711874 A1 19881027 - WEINEM HANNELORE [DE]
• [A] DE 2013504 A1 19701001
• [A] FR 1554030 A 19690117
• [A] FR 787551 A 19350924

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