

Title (en)  
Spray mechanism for an aerosol product

Title (de)  
Sprühmechanismus für Aerosolprodukte

Title (fr)  
Mécanisme de pulvérisation pour un produit aérosol

Publication  
**EP 0826608 B1 20020403 (EN)**

Application  
**EP 96306225 A 19960828**

Priority  
EP 96306225 A 19960828

Abstract (en)  
[origin: EP0826608A1] A container 1 containing the liquid to be sprayed and the vaporized gas for spraying in its inside is provided with a control member 2 having a spray hole 7, and when the control member 2 is manipulated, the liquid is sprayed by the gas pressure of the spraying gas. A sliding member 5 is provided in the control member 2, and reservoir or pools 44, 45 and a reservoir 76 are installed in the passage of the spray liquid and the vaporized gas. When the gas pressure in those pools is raised to the prescribed pressure, the sliding member 5 works to close the passage, and then the gas pressure in the pools drops, the passage is opened, and the gas pressure increases. As a result, the spray liquid and the gas are temporarily stored in the pools 44, 45 and the reservoir 76 until they are pressurized up to the prescribed internal pressure, and then sent into the spray hole 7, so that the spray liquid may always be sprayed from the spray hole 7 at a constant pressure and that constant spray state and state of atomization may be maintained at all times. <IMAGE>

IPC 1-7  
**B65D 83/52**

IPC 8 full level  
**B65D 83/14** (2006.01)

CPC (source: EP)  
**B65D 83/44** (2013.01)

Cited by  
WO0109009A1; CN114526874A; CN100434346C; DE102004034629A1; NL1012754C2; EP1837082A1; FR2900647A1; EP3981709A1; IT202000023515A1; EP1834702A1; EP1834701A1; AU2007225030B2; EA016025B1; US7195139B2; US6478199B1; US6612464B2; US7721919B2; US8328120B2; US6926172B2; US6588627B2; WO2007104113A3; US6837396B2; US6688492B2; US6533141B1; US7950597B2; US8006872B2; US8006873B2; US6851575B2; US7467733B2; US7748578B2; US8763932B2

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