

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **84303081.8**

(51) Int. Cl.⁴: **B 65 D 83/14**

(22) Date of filing: **08.05.84**

(30) Priority: **06.05.83 GB 8312479**

(43) Date of publication of application:
21.11.84 Bulletin 84/47

(88) Date of deferred publication of search report: **06.11.85**

(84) Designated Contracting States:
BE CH DE FR GB IT LI NL

(71) Applicant: **RIKER LABORATORIES, INC.**
19901 Nordhoff Street
Northridge California(US)

(72) Inventor: **Watson, Peter Gordon**
5 Sandalwood Road
Loughborough Leicestershire(GB)

(74) Representative: **Bowman, Paul Alan et al,**
LLOYD WISE, TREGEAR & CO. Norman House 105-109
Strand
London WC2R OAE(GB)

(54) **Valve assembly for a pressurised aerosol-dispensing container.**

(57) A valve assembly which allows pressure filling of an aerosol container and dispensing of metered volumes of material therefrom comprising:

a casing member adapted to form at least the top portion of an aerosol container,

a first hollow body secured inside of the casing member defining a metering tank, the metering tank having a pressure filling valve comprising an aperture in the metering tank communicating with the aerosol container which aperture is adjacent the casing member and covered by a sealing member which prevents passage of material from the aerosol container to the metering tank but allows passage of material from the metering tank to the aerosol container when there is sufficient pressure difference between the metering tank and aerosol container,

an elongate valve member sealingly extending through respective apertures in the casing member and metering tank capable of longitudinal movement between a closed and dispensing position, such that in the dispensing position there is an open channel through the elongate valve member connecting the metering tank with the outside environment and the metering tank is sealed to prevent passage of material from the aerosol container to the metering tank, and in the closed position the elongate valve member allows passage of material from the aerosol container to the metering tank and prevents passage of material from the

metering tank to the outside environment,

and a second hollow body retained upon and forming a shroud around the metering tank, the shroud extending substantially to the casing member and covering said sealing member of the metering tank to allow only limited movement thereof, the shroud and metering tank defining at least one passage through which material from the aerosol container may pass into the metering tank when the elongate valve member is in the closed position.



FIG. 1



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
D, Y	GB-A-2 077 229 (NEOTECHNIC ENGINEERING) * Page 1, line 124 - page 2, line 62; figures 1-6 *	1, 2, 4-9	B 65 D 83/14
A		3	
Y	--- GB-A- 979 002 (BERTSPA) * Page 2, lines 47-118; figures 1, 2 * -----	1, 2, 4-9	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			B 65 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28-06-1985	Examiner VANTOMME M.A.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	