

(12) **EUROPEAN PATENT APPLICATION**

(21) Application number: **84305912.2**

(22) Date of filing: **29.08.84**

(51) Int. Cl.⁴: **B 65 B 31/00**
B 65 B 3/04, B 65 D 83/14

(30) Priority: **30.08.83 US 527753**

(43) Date of publication of application:
03.04.85 Bulletin 85/14

(88) Date of deferred publication of search report: **02.07.86**

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

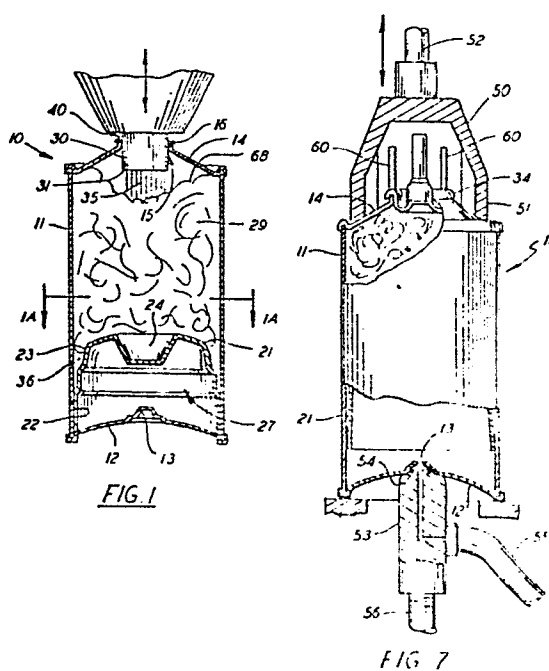
(71) Applicant: **Scheindel, Christian Theodor**
Star Route
Randolph Center Vermont 05601(US)

(72) Inventor: **Scheindel, Christian Theodor**
Star Route
Randolph Center Vermont 05601(US)

(74) Representative: **Bayliss, Geoffrey Cyril et al,**
BOULT, WADE & TENNANT 27 Fumival Street
London EC4A 1PQ(GB)

(54) **Method for filling an aerosol can with a viscous product.**

(57) A piston type aerosol can (10) is filled with a viscous product by a nozzle (30) positioned near the top wall (14) opening of the can during the entire step of discharging the viscous product into the can. The nozzle preferably prevents substantial expansion of the jet of viscous product that exits the nozzle. When the jet of viscous product strikes the piston (21) in the lower portion of the can, a slight cavitation results and the viscous product spreads towards the side wall (23) of the can and fills the region (36) between the skirt of the piston and the side walls of the can. After the can has been filled with the viscous product, a gaseous pressure may be introduced at the top wall opening of the can to force the viscous product into contact with the top surface of the skirt of the piston and completely into the region between the skirt of the piston and the side walls of the can. A track assembly (60) may be provided at a piston moving or positioning station with the track assembly extending toward a valve assembly crimping station wherein the track assembly maintains a valve assembly means (25) in position within the top wall opening (15) of the aerosol can during a piston raising step while permitting slight upward movement of the valve assembly to allow gas to escape from the can. Extending the track assembly (60) in the direction of the crimping station prevents the valve assembly from becoming misaligned due to residual pressure in the can as the can is transported from the piston raising station to a valve assembly can top wall crimping station.





European Patent
Office

EUROPEAN SEARCH REPORT

0136104

Application number

EP 84 30 5912

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. 4)
D, X	US-A-3 897 672 (C. SCHEINDEL) * Column 2, line 34 - column 4, line 42; figures *	1, 6, 9, 15-17, 19, 20, 22, 24	B 65 B 31/00 B 65 B 3/04 B 65 D 83/14
A	---	18	
A	US-A-2 888 789 (A. MOJONNIER) * Column 8, lines 7-60; figure 3 * -----	2-4	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			B 65 B 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 11-03-1986	Examiner JAGUSIAK A.H.G.
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			