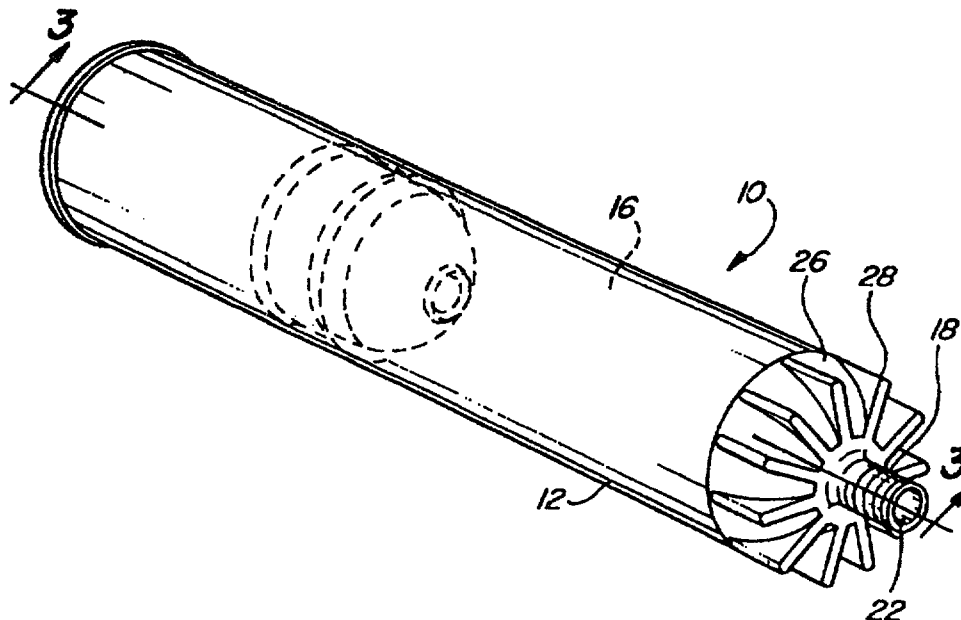




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| (51) International Patent Classification <sup>6</sup> :<br><b>B65D 83/76, B05C 17/005</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>A1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (11) International Publication Number: <b>WO 98/11002</b><br>(43) International Publication Date: <b>19 March 1998 (19.03.98)</b> |
| <p>(21) International Application Number: <b>PCT/US97/16281</b></p> <p>(22) International Filing Date: <b>12 September 1997 (12.09.97)</b></p> <p>(30) Priority Data:<br/><b>08/712,397</b>      <b>13 September 1996 (13.09.96)</b>      <b>US</b></p> <p>(71) Applicant: <b>COURTAULDS AEROSPACE, INC. [US/US];</b><br/><b>2820 Empire Avenue, Burbank, CA 91504 (US).</b></p> <p>(72) Inventors: <b>DANG, Nguyen, Thai; 609 W. Lexington Avenue</b><br/><b>#A, Glendale, CA 91203 (US). MORRIS, David, Paul;</b><br/><b>26266 Park View Road, Valencia, CA 91355 (US).</b></p> <p>(74) Agents: <b>SPRINKLE, Douglas, W. et al.; Suite 400, 280 N. Old</b><br/><b>Woodward, Birmingham, MI 48009 (US).</b></p> | <p>(81) Designated States: <b>AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</b></p> <p><b>Published</b><br/><i>With international search report.</i></p> |                                                                                                                                   |

(54) Title: **DISPENSING CARTRIDGE**

## (57) Abstract

A dispensing cartridge (10) is provided for viscous liquids, such as sealants. The cartridge (10) includes an elongated tubular cylindrical housing (12) defining an elongated interior chamber (16) having a cylindrical interior wall (14). A dispensing nozzle (18) is formed at one end (20) of the housing (12) and this dispensing nozzle (18) has an opening (22) open to the housing chamber (16) which is less in cross-sectional size than the cross-sectional size of the housing chamber (16). A substantially semi-spherical wall portion (26) extends between the cylindrical wall (14) of the housing (12) and the nozzle opening (22) while at least one reinforcing rib (28) extends outwardly from an outer surface of the semi-spherical wall portion (26). This reinforcing rib (28) not only reinforces the semi-spherical wall portion (26) of the housing (12) but also enables the cartridge (10) to be used in a standard caulking gun.