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(54) Fluid actuated dispenser.

(57) A liquefied gas operated caulk dispensing gun with a housing sub-assembly (10) having an elongate tubular housing (16) defining a chamber (18) for accommodating a tube of caulk, an open dispensing end and an opposite valved closed end portion. A material dispensing sub-assembly (12) is also provided removably connected to the dispensing end of the housing sub-assembly (10) to form a dispensing assembly. The dispensing sub-assembly (12) includes a nozzle (40), a caulk flow passage (37) communicating with the chamber housing (16), wherein the flow passage (37) is sized to accommodate a caulking tube outlet. The material sub-assembly (12) also includes a valve controlled passage for selective communication between an inlet portion of the flow passage and the nozzle (40), and a flow control valve (48) movable between open and closed positions to control such selective communication. A seal mechanism is positioned in the dispensing assembly to effect a seal between the flow passage (37) and a charge receiving portion of the chamber (18). A valve (48) is included on the valved end portion of the housing to permit liquefied gas to enter the charge receiving portion for the dispensing of caulk, and for venting the charge receiving portion when the housing sub-assembly (10) is to be disconnected from the material sub-assembly (12). A lever mechanism is operatively connected to the flow control valve (48) for moving the valve (48) from one position toward the other.

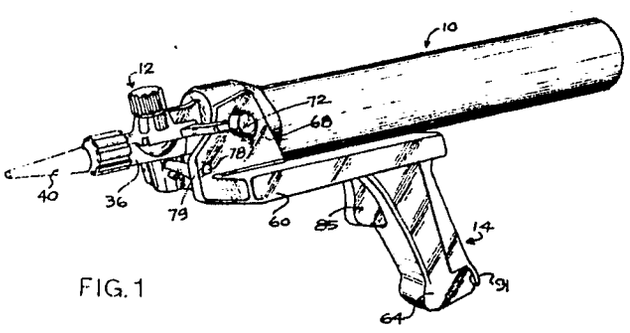

FIG. 1

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EUROPEAN SEARCH REPORT

Application number

EP 88304085.9

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)
Y	DE - A1 - 3 201 630 (TORAY SILICONE CO) * Claims; fig. * --	1	B 05 C 17/00 B 65 D 83/00 E 04 F 21/30
Y	CH - A5 - 647 693 (HILTI AG) * Totality * --	1	
A	GB - A - 1 435 053 (PRODUCTS RESEARCH & CHEMICAL CORP.) * Claims; fig. * --	1	
A	EP - A2 - 0 169 534 (ASAHI MALLEABLE IRON CO) * Claims; fig. * --	1	
A	DE - A1 - 3 515 101 (HENKEL KG) * Totality * ----	1	

TECHNICAL FIELDS SEARCHED (Int. Cl.4)

B 05 C
B 65 D
E 04 F

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
VIENNA	17-11-1989	SCHÜTZ

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
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