

Title (en)
Fluid actuated dispenser.

Title (de)
Flüssigkeitsgesteuertes Abgabegerät.

Title (fr)
Distributeur actionné par un fluide.

Publication
EP 0290259 A2 19881109 (EN)

Application
EP 88304085 A 19880505

Priority
• US 4786787 A 19870506
• US 18201788 A 19880429

Abstract (en)
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.

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B05C 17/00; **B65D 83/00**; **E04F 21/30**

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B05C 5/00 (2006.01); **B05C 17/015** (2006.01)

CPC (source: EP)
B05C 17/015 (2013.01); **B05C 17/0146** (2013.01)

Cited by
CN109939881A; FR2646790A1; CN111804535A; CN116677168A; US6935541B1; US7163130B2; US7275663B2; US7188753B2; US7185792B2; WO2016074670A3; WO2014028880A1; US7261220B2; US9475352B2

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