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(54) **Caulking gun**

(57) The present invention relates to a caulking gun apparatus comprising an elongate housing (1) for holding a cartridge (6) in a dispensing position, a piston rod (2) for engaging the cartridge for dispensing the caulking material and at least one driving lever (3) in slideable engagement with the piston rod. The apparatus further comprises a motor (4) means which is disposed within

the elongate housing and coupled to a motor shaft (4') and a transmission mechanism such that during rotation of the rotary motor shaft, power is transmitted from the rotary motor to the piston rod. The apparatus further comprises a mechanical mechanism (7) for operating the piston rod when the rotary motor is disabled.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 7 063 240 B1 (NISWONGER JOHN O H [US]) 20 June 2006 (2006-06-20) * column 2, line 13 - line 67 * * column 3, line 61 - column 11, line 12; figures 1-8 *	1	INV. B05C17/01
E	WO 2007/111687 A (BLACK & DECKER INC [US]; CAMPBELL DAVID C [US]; GIBBONS LOUIS A [US]) 4 October 2007 (2007-10-04) * paragraph [0003] - paragraph [0004] * * paragraph [0019] - paragraph [0039]; figures 1-6 *	1,2, 19-22	
A	US 4 273 269 A (DAVIS JR GEORGE B) 16 June 1981 (1981-06-16) * column 5, line 57 - column 6, line 20; figures 1-7 *	1	
A	DE 198 50 495 A1 (HILTI AG [LI]) 4 May 2000 (2000-05-04) * column 2, line 45 - column 4, line 60; figures 1-3 *	1	
D,A	US 4 264 021 A (DAVIS JR GEORGE B) 28 April 1981 (1981-04-28) * column 2, line 38 - column 7, line 16; figures 1-7 *	1	TECHNICAL FIELDS SEARCHED (IPC) B05C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 9 July 2008	Examiner Schaefer, Patrick
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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The members are as contained in the European Patent Office EDP file on
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09-07-2008

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 7063240	B1	20-06-2006	NONE
-----	-----	-----	-----
WO 2007111687	A	04-10-2007	US 2007102457 A1 10-05-2007
-----	-----	-----	-----
US 4273269	A	16-06-1981	NONE
-----	-----	-----	-----
DE 19850495	A1	04-05-2000	JP 2000140734 A 23-05-2000
-----	-----	-----	-----
		US 6241130 B1	05-06-2001
-----	-----	-----	-----
US 4264021	A	28-04-1981	NONE
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82