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(54) **Manual staple gun**

(57) This invention provides a manual staple gun. The manual staple gun comprises a gun body (1) with a slot, a drive unit (2), a staple magazine (3), a leaf spring (4) and a handle (5). Said drive unit (2) is disposed in the slot. Said staple magazine (3) connects with the slot of the gun body (1). One end of said handle (5) acts on the drive unit (2), the other end penetrates through the gun body (1) and the handle (5) can force the drive unit to move along the slot of the gun body. One end of the leaf spring (4) acts on the drive unit (2) and the other end acts on the gun body (1). There is a control mechanism that is disposed in the gun body (1) and can lock the drive unit (2) when it is far away from the staple magazine (3). There is also a position limit mechanism that is disposed between the handle (5) and the leaf spring (4) and can ensure the handle break away from the firing pin safely. Said manual staple gun has a simple structure and is safe to operate. When it is used, just small force is needed and staples may be driven with better effects.

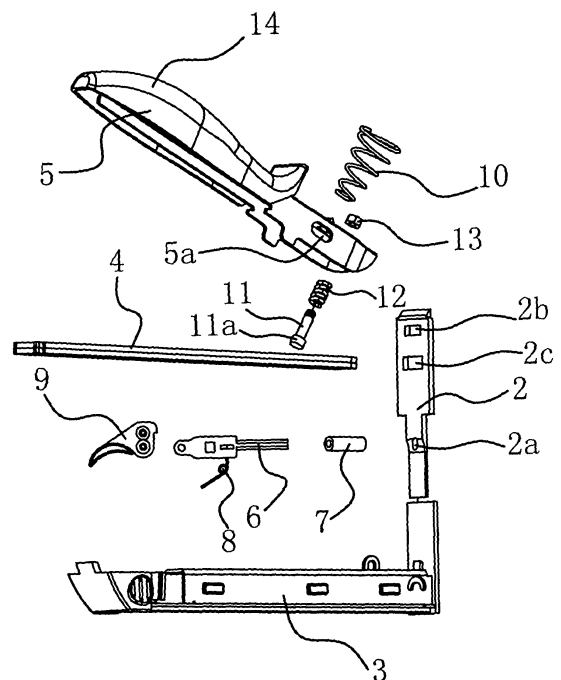


Fig 1



EUROPEAN SEARCH REPORT

Application Number
EP 10 00 4435

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 2007/257080 A1 (KAMINS MICHAEL [US] ET AL) 8 November 2007 (2007-11-08) * paragraphs [0004], [0039] - [0059]; figures *	1-7	INV. B25C5/10
A	US 3 753 524 A (HEYWARD H) 21 August 1973 (1973-08-21) * columns 1-3; figures *	1-7	
A	US 2 086 922 A (PETERSON ROY E) 13 July 1937 (1937-07-13) * page 4; figures *	1-7	
A	US 2009/114696 A1 (CHEN TON-YI [TW] ET AL) 7 May 2009 (2009-05-07) * paragraphs [0010] - [0014]; figures *	1-7	
A	US 7 252 217 B1 (LIN JUI-YUAN [TW]) 7 August 2007 (2007-08-07) * column 1; figures *	1-7	
A	US 2 265 361 A (WILLIAM DRYPOLCHER) 9 December 1941 (1941-12-09) * page 2; figures *	1-7	TECHNICAL FIELDS SEARCHED (IPC) B25C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 18 April 2011	Examiner David, Radu
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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EPO FORM 1503 03.82 (P04C01)

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

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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18-04-2011

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2007257080 A1	08-11-2007	NONE	
US 3753524 A	21-08-1973	AU 461632 B2	29-05-1975
		AU 4979972 A	13-06-1974
		CA 955001 A1	24-09-1974
		DE 2248161 A1	16-08-1973
		FR 2171701 A5	21-09-1973
		GB 1364336 A	21-08-1974
		IT 973769 B	10-06-1974
		JP 919442 C	22-08-1978
		JP 48089463 A	22-11-1973
		JP 52046377 B	24-11-1977
		NL 7300114 A	14-08-1973
		SE 385670 B	19-07-1976
US 2086922 A	13-07-1937	DE 674558 C	17-04-1939
		GB 480048 A	16-02-1938
US 2009114696 A1	07-05-2009	NONE	
US 7252217 B1	07-08-2007	NONE	
US 2265361 A	09-12-1941	NONE	