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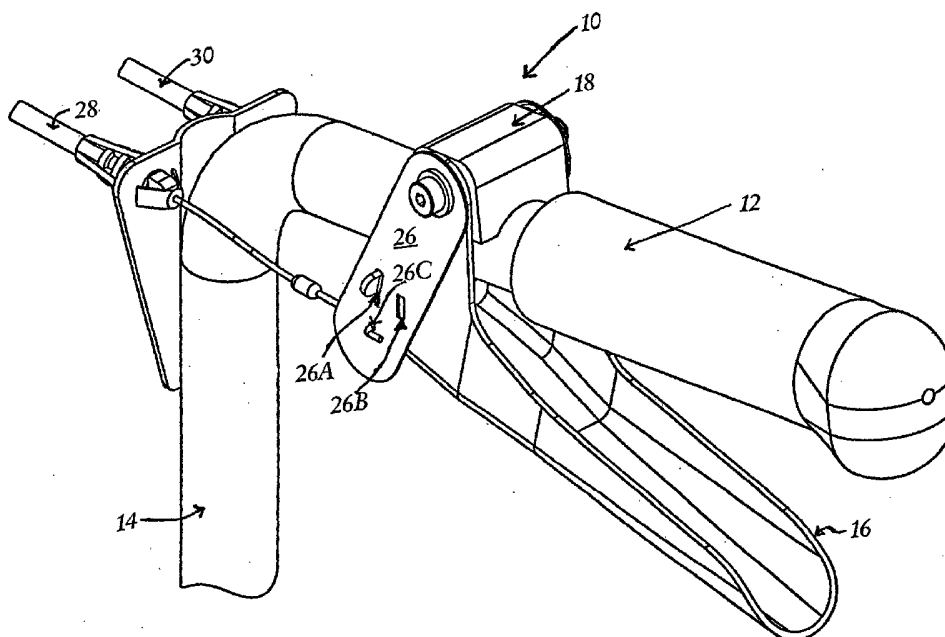
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(54) Title: LINE STRIPER GUN AND DELAY SELECTOR



(57) Abstract: A hand trigger (16) is pivotally mounted on the handlebar (12) of the striper (14). A pair of selectors (26) are pivotally mounted at the trigger pivot points. The selectors (26) are made from a spring or spring-like steel, which allows the selectors (26) to springingly deform for gun selection and adjustment yet return to their original position and shape. This allows delayed gun activation, disabling of one or both guns from the trigger (16) and functioning as a one-handed gun selector.



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— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

LINE STRIPER GUN AND DELAY SELECTOR**TECHNICAL FIELD**

This application claims the benefit of US Application serial number _____
5 _____, filed _____.

BACKGROUND ART

Walk-behind (and self-propelled) line strippers have become a well-accepted
method of applying striping to parking lots and roads. Often, it is desired to apply two
10 parallel lines either where both are solid or where one is a dashed line. While dual gun
strippers are well-known, the controls for operating both guns have proven less than
completely user friendly.

DISCLOSURE OF THE INVENTION

15 It is therefore an object of this invention to provide a hand control for dual-gunned
strippers which may be easily and quickly adjusted between configurations without the use
of tools.

A hand trigger is pivotally mounted on the handlebar of the stripper. A pair of
selectors are pivotally mounted at the trigger pivot points. The selectors are made from a

blue tempered 1095 carbon steel or a Blu Clox spring steel which allows the selectors to springingly deform for gun selection and adjustment yet return to their original position and shape. This allows delayed gun activation, disabling of one or both guns from the trigger and functioning as a one-handed gun selector.

5 These and other objects and advantages of the invention will appear more fully from the following description made in conjunction with the accompanying drawings wherein like reference characters refer to the same or similar parts throughout the several views.

10 BRIEF DESCRIPTION OF DRAWINGS

Figure 1 is a perspective view of the instant invention.

Figure 2 is an exploded perspective view of the instant invention.

BEST MODE FOR CARRYING OUT THE INVENTION

15 The instant invention, generally designated 10, is designed for mounting on the handlebar 12 of a line striper 14. Trigger 16 is pivotably mounted to trigger block 18 by means of screw 20, bushings 22 and nut 24. Also pivoting about screw 20 are selectors 26. The selectors 26 are made from a blue tempered 1095 carbon steel or a Blu Clox spring
20 yet return to their original position and shape. Trigger 16 has a trigger tab 16A extending from either side.

Selectors 26 have activation 26A and delayed activation 26B slots therein along with cable aperture 26C. First and second gun cables 28 and 30 respectively have ends 28A and 30A.. The cables 28 and 30 are adjusted so that when trigger tabs 16A are located in activation slots 26A, the associated spray guns are activated relatively early in the trigger travel.

In operation, if one wishes to run two solid parallel lines, both trigger tabs 16A are located in activation slots 26A and the trigger is pulled when striping is desired. When only one line is desired, the selector 26 for the non-desired gun is moved so that trigger tab 16 is not engaged in either slot 26A or 26B. For spraying a solid-dashed line combination, The selector 26 for one gun is placed in activation slot 26A and the selector 26 for the other gun is placed in delayed activation slot 26B. The operator then needs merely to pull the trigger partway to spray the solid line while pulling the trigger 16 the rest of the way to provide the dashed line as desired.

It is contemplated that various changes and modifications may be made to the line striper gun and delay selector without departing from the spirit and scope of the invention as defined by the following claims.

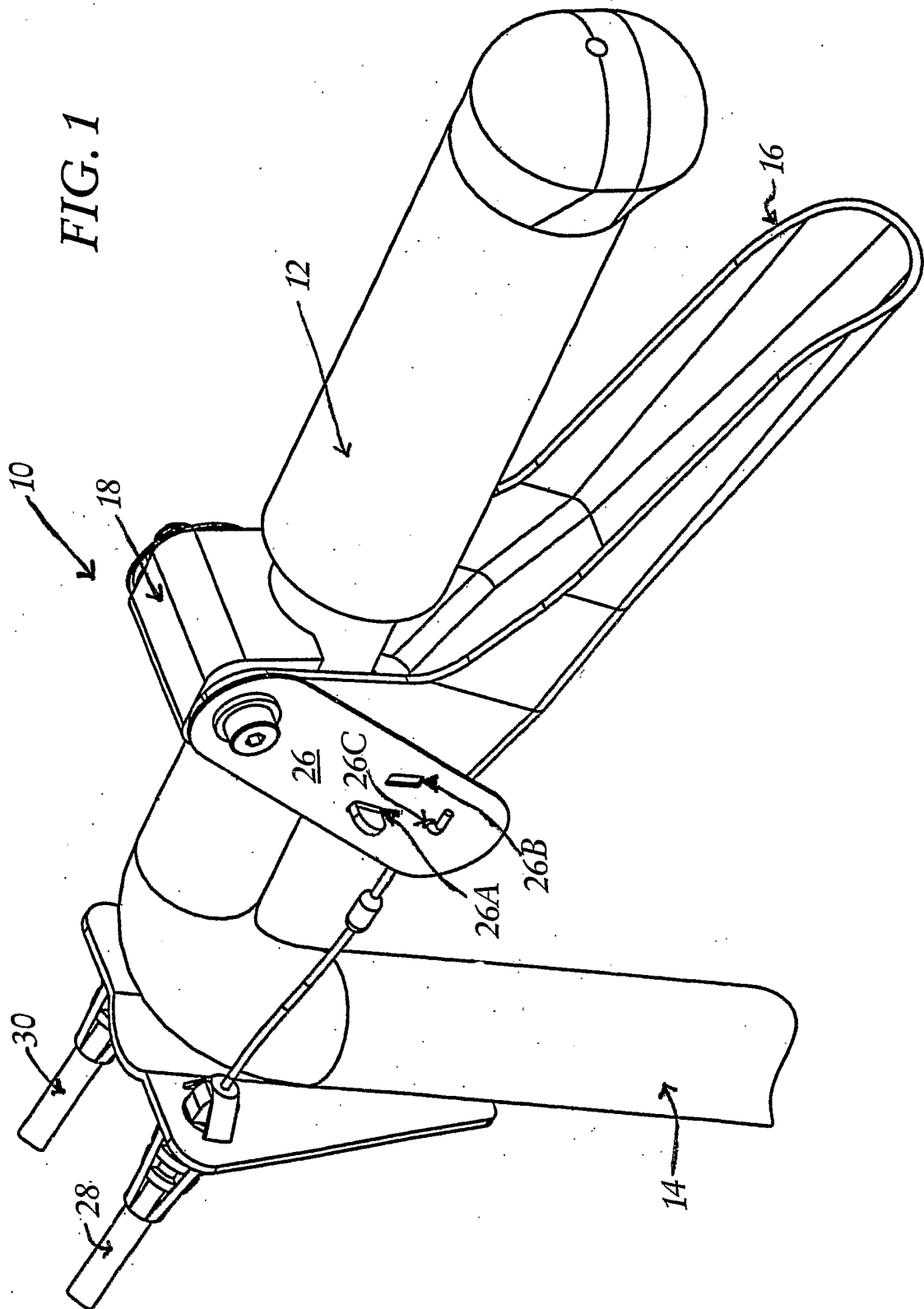
CLAIMS

1. A gun selector mechanism for use on a line striper having a plurality of spray guns having activation cables, said gun selector comprising:

a trigger; and

5 a plurality of gun selectors, each said selector being made of a springlike material and comprising at least first and second slots for alternately receiving one of said cables, one of said slots being located so as to activate one of said spray guns early in the travel of said trigger and said second slot being
10 located so as to activate one of said spray guns at substantially full travel of said trigger.

FIG. 1



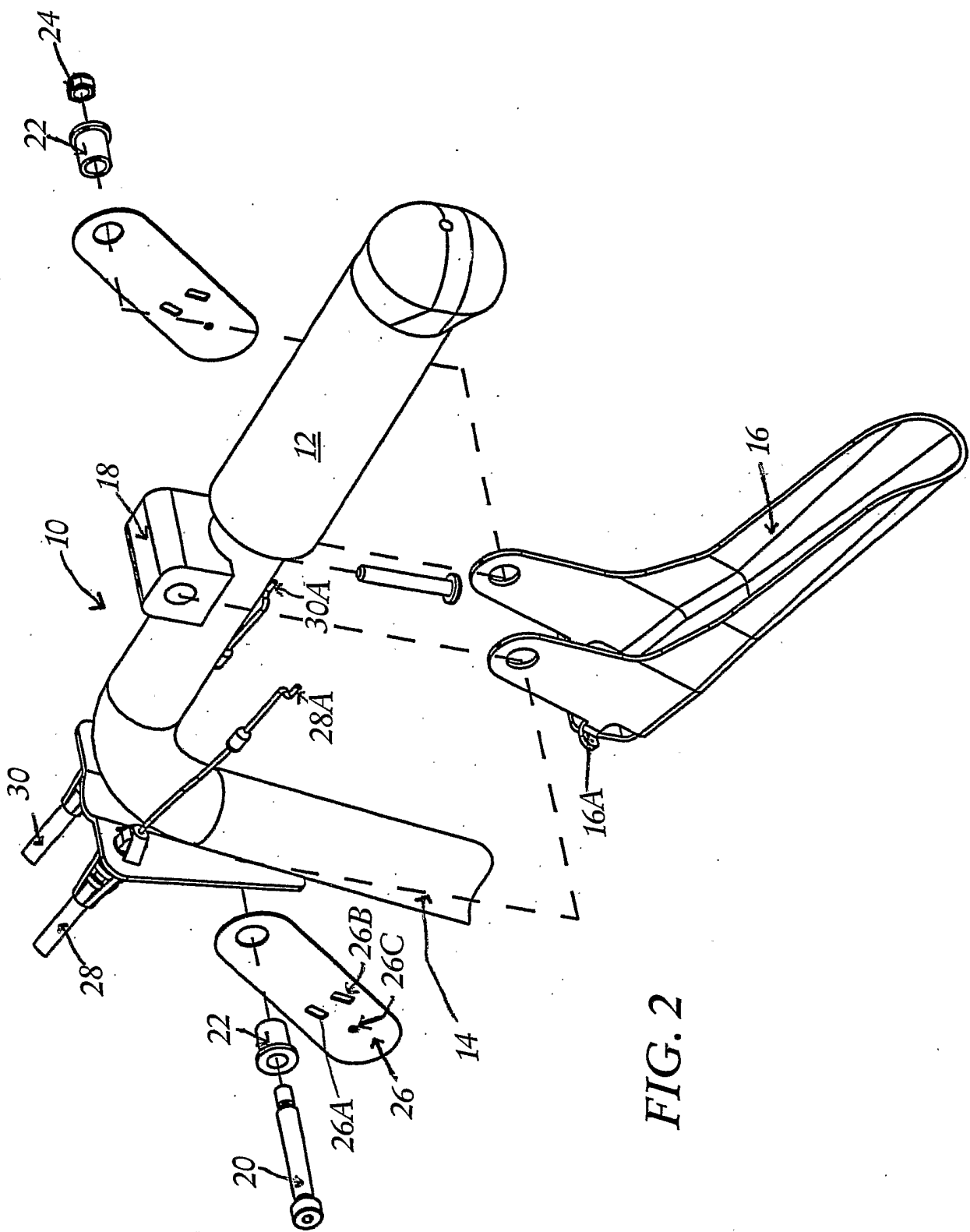


FIG. 2

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/01020

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : B05B 1/28, 1/30, 7/32, 9/03; A62C 13/62, 31/00; F16K 31/00
 US CL : 239/146, 150, 303, 304, 305, 337, 532, 578; 251/294
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 239/146, 150, 303, 304, 305, 337, 532, 578; 251/294

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2,964,245 A (ANDERSON et al) 13 December 1960 (13.12.1960), see entire document.	1
A	US 3,856,209 A (HICKSON) 24 December 1974 (24.12.1974), see entire document.	1
A	US 4,092,000 A (OFFUTT, III) 30 May 1978 (30.05.1978), see entire document.	1

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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