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PUBLISHED OCTOBER 30, 1973

915 O.G. 1569

T915.013

SELECTOR LIGHT PEN SYSTEM

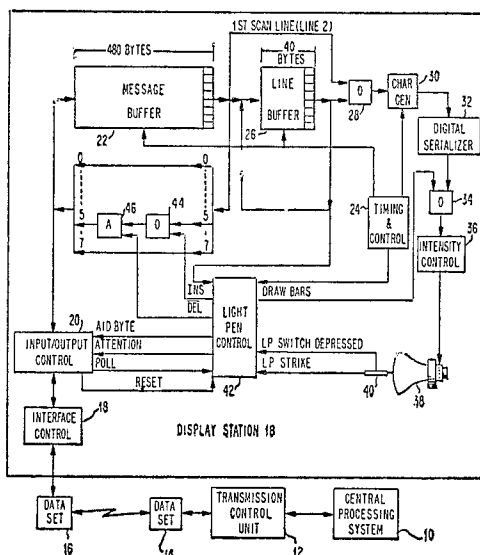
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U.S. Cl. 340--324 AD

5 Sheets Drawing, 29 Pages Specification



Light pen detection and verification arrangement for a display system allowing operator selection of one or more portions of a formatted message. Format is established by including a non-displayable field separator character followed by a designator character and one or more displayable alphanumeric characters. The field separator character includes bits which identify the field as being detectable and a tag bit to indicate when detection has been made in the associated field. When a field preceded by a ? is detected, the tag bit of the field separator character is set on and the ? is changed to a > providing a visual verification of the selection. If the original selection is to be changed, the original field is again selected, the tag bit is reset off and the > is returned to a ? to provide visual verification of the deselection. A field which is preceded by a space or null designator character if selected will cause the tag bit of the associated field separator character to be set on with no change occurring in the designator character representation but a signal is generated which will lead to a reading of the tagged fields of the system message.

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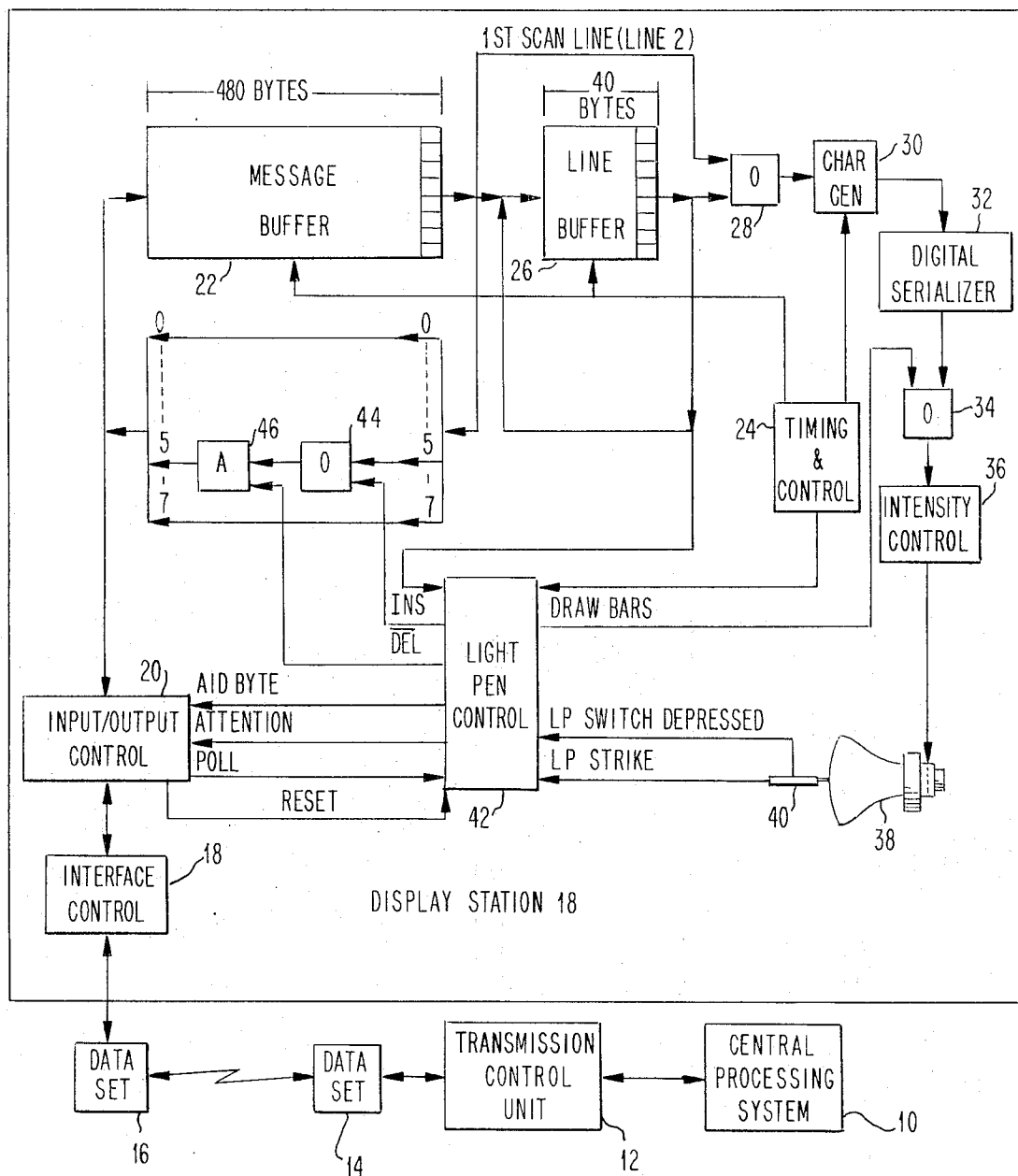
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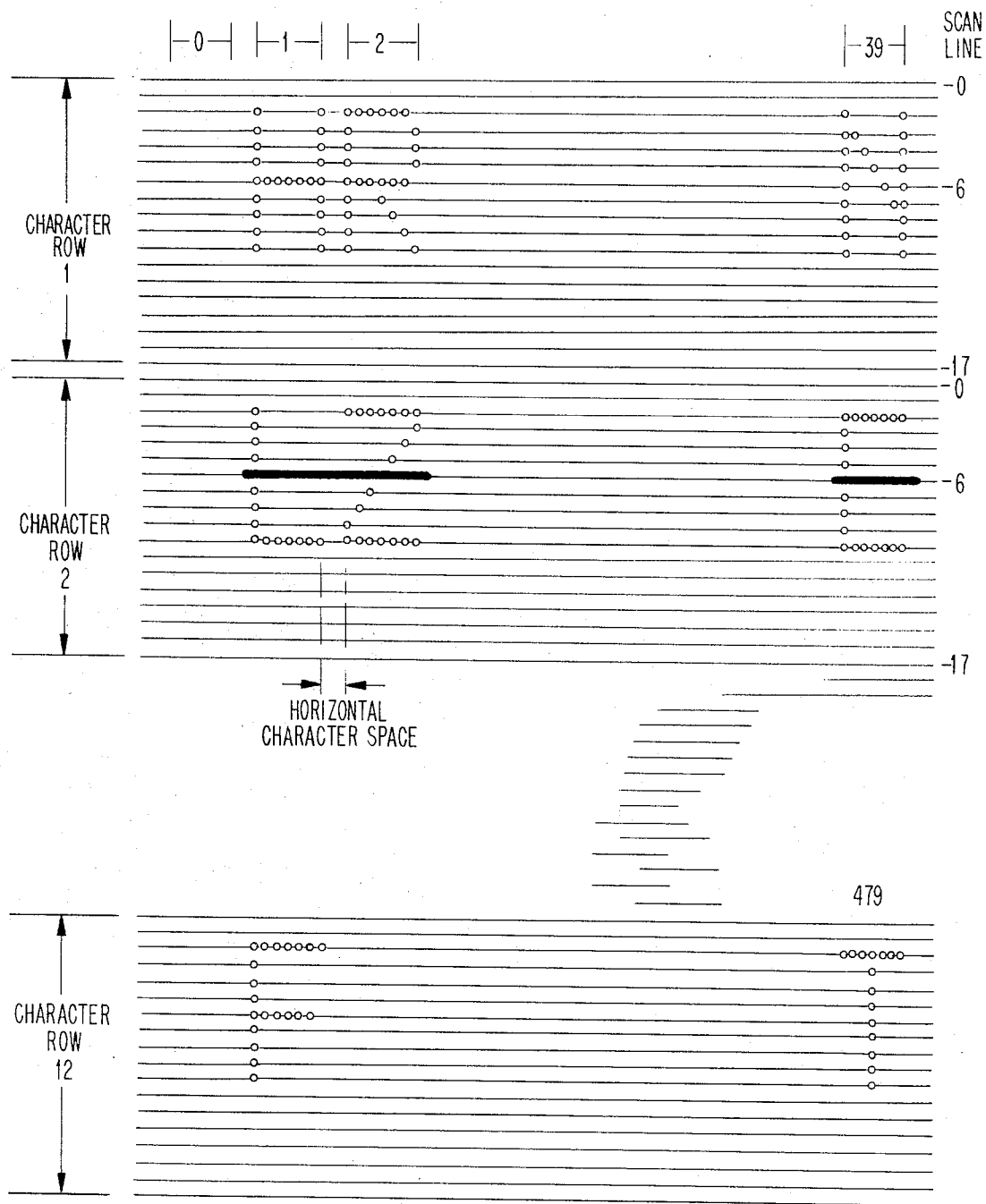


FIG. 2

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FIG. 3

WARD	ROOM	BED	MENU
? A	?1 ?0	?1	? ROAST BEEF
? B	?2 ?1	?2	? GRAVY
? C	?3 ?2	?3	? MASHED ?BAKED ?BOILED
? D	?3	?4	? GREEN BEANS ?BEETS
	?4	?5	? MILK ? TEA ? COFFEE
	?5	?6	? CREAM ?SUGAR
	?6	?7	? BREAD ?TOAST ? BUTTER
	?7	?8	? SALT ? PEPPER
	?8		? ULCER ? SPECIAL
	?9		
EXIT			

FIG. 4

WARD	ROOM	BED	MENU
? A	>1 ?0	?1	> ROAST BEEF
>B	?2 ?1	?2	? GRAVY
? C	?3 ?2	>3	? MASHED >BAKED ?BOILED
? D	?3	?4	? GREEN BEANS >BEETS
	>4	?5	? MILK ?TEA ?COFFEE
	?5	?6	? CREAM ?SUGAR
	?6	?7	? BREAD ?TOAST ? BUTTE
	?7	?8	? SALT ? PEPPER
	?8		? ULCER ? SPECIAL
	?9		
EXIT			

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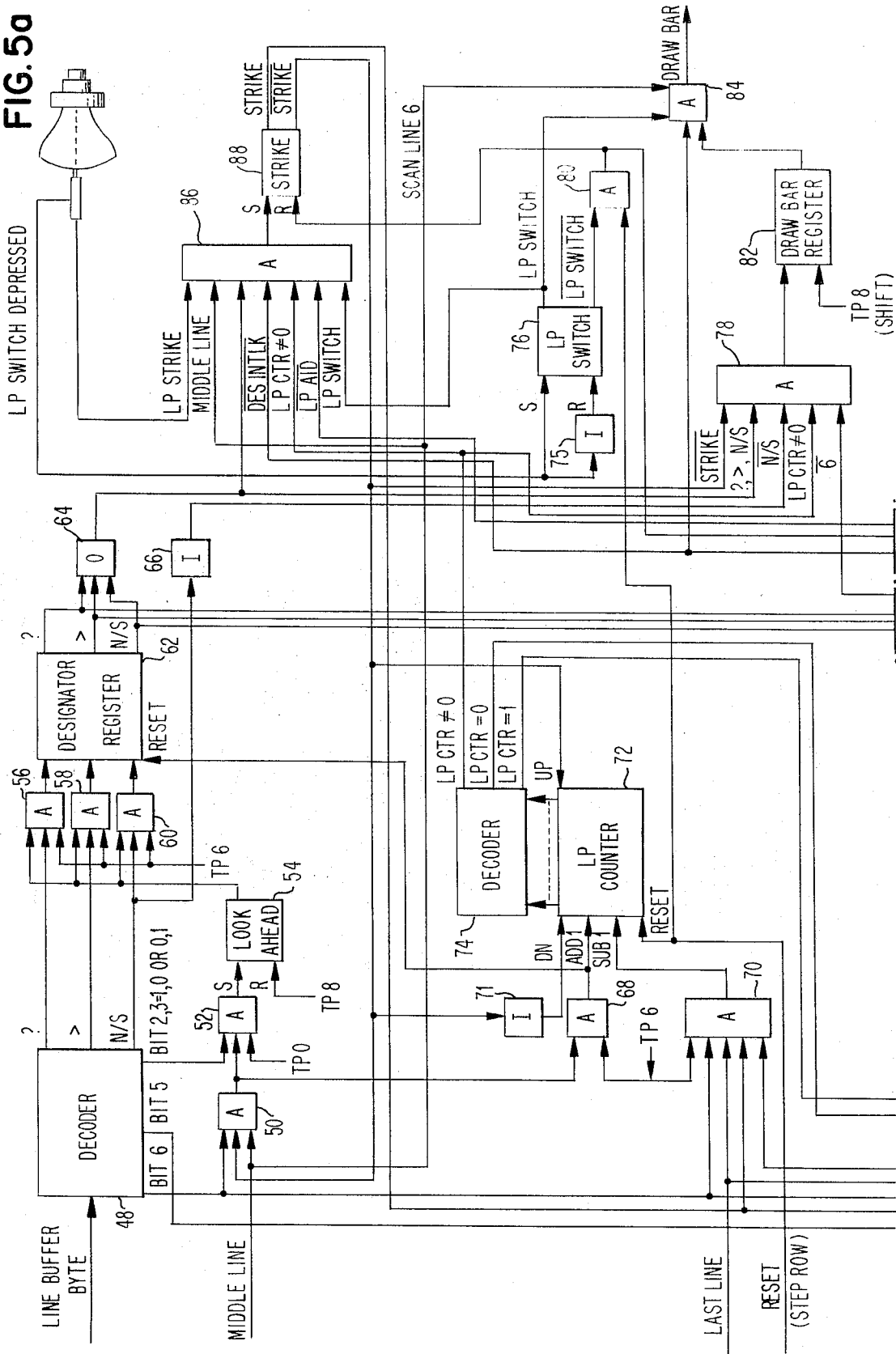
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FIG. 5a



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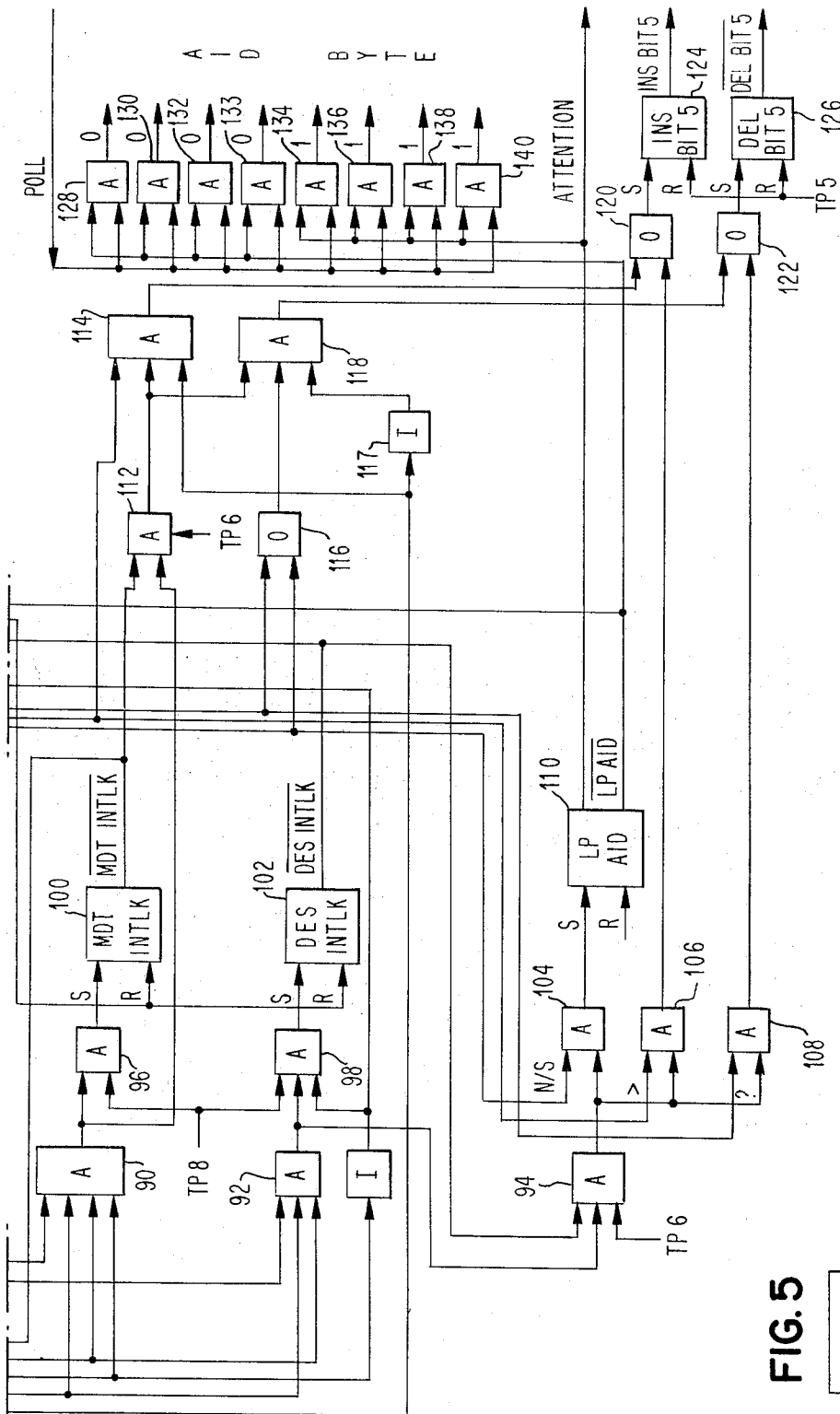


FIG. 5b

FIG. 5

Fig. 5a

Fig. 5b