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(54) **Control circuit for operating panel.**

(57) A control circuit for an operating panel in a printing apparatus or the like is provided with indicator devices and switches, and is adapted for lighting the indicator elements and sensing switching conditions of the switches on the basis of a control signal transmitted from a control unit. The control circuit is provided with a serial-to-parallel converter (2 in FIG. 2; 11 in FIG. 5) having input terminals (DATA, CLK) and output terminals (O₁-O₁₆) for con-

verting a serial signal transmitted from the control unit (4, 5 in FIG. 2; 13 in FIG. 5) into a parallel signal. The output terminals (O₁ - O₁₆) of the serial-to-parallel converter are connected with the indicator elements (LED 1 - LED 16), which are put to the ground at the other ends thereof, and some output terminals (O₉ - O₁₆) of the serial-to-parallel converter are further connected with the switches (SW 1 - SW 8).

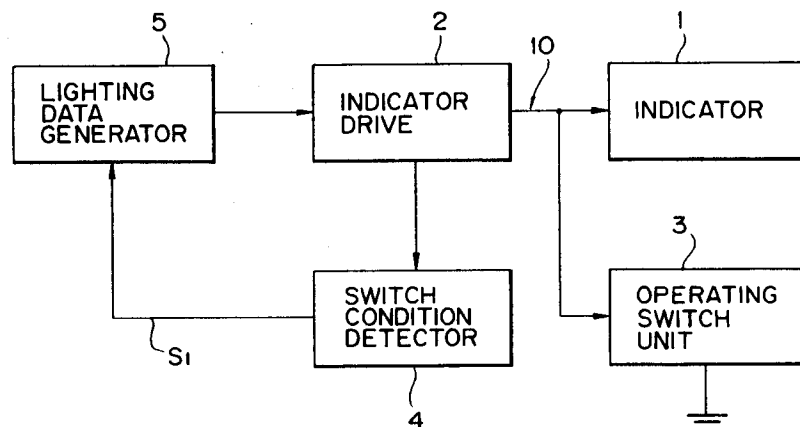


FIG.1



European Patent
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EUROPEAN SEARCH REPORT

Application Number

EP 91 11 8565

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	US-A-4 484 180 (DEFOREIT) * column 2, line 15 - line 61 * * column 3, line 5 - column 4, line 28 * * column 4, line 42 - column 5, line 4 * * figure 1 * ---	1-4, 8, 10, 11, 15, 18	G09G3/32 H03M11/00
A	US-A-4 087 861 (FUTAGAWA) * abstract, fig. 9 * -----	1, 2, 10, 11	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H03M G06F G09G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 OCTOBER 1992	Examiner FARRICELLA L.
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			