

Title (en)

CONTROL CIRCUIT FOR OPERATING PANEL

Publication

**EP 0483829 A3 19921223 (EN)**

Application

**EP 91118565 A 19911030**

Priority

- JP 29660290 A 19901031
- JP 32582690 A 19901129

Abstract (en)

[origin: EP0483829A2] 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 converting 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). <IMAGE>

IPC 1-7

**G09G 3/32**

IPC 8 full level

**G09G 3/00** (2006.01)

CPC (source: EP)

**G09G 3/001** (2013.01)

Citation (search report)

- [A] US 4484180 A 19841120 - DEFOREIT CHRISTIAN J [DE]
- [A] US 4087861 A 19780502 - FUTAGAWA YOSHIKIYO, et al

Cited by

CN102779480A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0483829 A2 19920506; EP 0483829 A3 19921223**

DOCDB simple family (application)

**EP 91118565 A 19911030**