

Title (en)
DIGITAL SEMICONDUCTOR CIRCUIT FOR AN ELECTRONIC ORGAN

Publication
EP 0043093 B1 19880113 (DE)

Application
EP 81104862 A 19810623

Priority
DE 3024931 A 19800701

Abstract (en)
[origin: US4428267A] A digital semiconductor circuit for an electronic organ has a plurality of control inputs addressed via a keyboard and corresponding in number to the number of keys of the organ keyboard, and a plurality of audiofrequency signal inputs addressed with periodic electrical oscillations by an oscillator system. Each control input is associated with a respective key of the keyboard and each audiofrequency signal input is permanently assigned with a respective tone frequency of the highest octave of the organ. The control signals serve to address the control inputs by the keys of the keyboard corresponding to logical levels "1" and "0." The circuit further includes a number t of divider stages in a frequency divider at least equal to a number q of the octaves in the organ keyboard. A number u of a plurality of AND gates in a given group of AND gates is greater than the number q of the octaves in the organ keyboard. All of the AND gates of the given group have signal inputs, and at least one setting input is connectible via a switch to the logical level "1" by an individual playing the organ so as to address the signal inputs of these AND gates.

IPC 1-7
G10H 1/18; **G10H 5/06**

IPC 8 full level
G10H 7/00 (2006.01); **G10H 1/18** (2006.01); **G10H 5/06** (2006.01)

CPC (source: EP US)
G10H 1/183 (2013.01 - EP US); **G10H 5/06** (2013.01 - EP US); **Y10S 84/23** (2013.01 - EP US)

Cited by
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DE FR GB

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EP 0043093 A2 19820106; **EP 0043093 A3 19850502**; **EP 0043093 B1 19880113**; DE 3024931 A1 19820128; DE 3176614 D1 19880218; JP S5744198 A 19820312; US 4428267 A 19840131

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