

Title (en)  
ELECTRONIC ORGAN KEYBOARD

Publication  
**EP 0270966 A3 19890906 (DE)**

Application  
**EP 87117656 A 19871128**

Priority  
DE 3641813 A 19861206

Abstract (en)  
[origin: US4860630A] A manual for an electronic organ wherein the depression of keys takes place against resistance similar to that encountered on depression of piano keys. Thus, each key of the manual at first offers a pronounced resistance and thereupon a greatly reduced resistance to depression. Pusher is pivotably mounted on the key and cooperates with a convex cam face on a pivotable reaction lever such that the key must abruptly pivot the lever from one toward another end position during the initial stage of depression but the pusher is free to slide relative to the cam face in response to further depression of the key. The lever has a first arm which pivots the pusher relative to the cam face in response to pivoting of the lever from the one end position to thus reduce the force which the pusher can transmit to the lever, and the lever further comprises a second arm which carries a weight tending to pivot the lever back to its one end position. The lever can be arrested in a position out of reach of the pusher so that the key can be depressed solely against the opposition of a spring as in a standard manual. The cam face slopes away from the path of movement of the tip of the pusher in response to depression of the key to thereby further ensure that the resistance which the key encounters to depression decreases as the key continues to move away from its non-depressed position.

IPC 1-7  
**G10C 3/12**

IPC 8 full level  
**G10B 3/12** (2006.01); **G10C 3/12** (2006.01); **G10H 1/34** (2006.01)

CPC (source: EP US)  
**G10C 3/12** (2013.01 - EP US); **G10H 1/346** (2013.01 - EP US)

Citation (search report)  
• [AP] DE 3618917 A1 19870102 - NIPPON MUSICAL INSTRUMENTS MFG [JP]  
• [AD] DE 2426016 B1 - FARFISA SPA  
• [A] WO 8001427 A1 19800710 - ARP INSTR [US]

Cited by  
US5434349A; US5444181A; US5594188A; US5602351A; US5463184A; US5483861A; US5591927A; US5386083A; EP0655728A1;  
DE3905646C1; EP0384120A3; US4993305A

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