Title (en)

ELECTRONIC STRINGED INSTRUMENT

Publication

**EP 0284047 A3 19900328 (EN)**

Application

**EP 88104659 A 19880323**

Priority

- JP 6791987 A 19870324
- JP 8065987 U 19870527
- JP 8066087 U 19870527

Abstract (en)

[origin: EP0284047A2] When picking of a string is performed, the vibration of the string is detected by string trigger switches (TSW) accurately and quickly. When a fret operation position is changed during generation of a musical tone from musical tone generating circuit (60) caused by the string picking, the pitch of the musical tone is changed according to outputs of fret switches (FSW) to the one corresponding to the new fret operation position without generating a new musical tone. When the same string is stroked successively, the succeeding musical tone is generated while keeping the reverberation of the previous musical tone under the control of microcomputer (30). The musical tone once generated will be stopped from being generated upon elapse of a predetermined time from the beginning of the tone generation, irrespective of the type of its timbre. When a change of a fret operation state is detected by switch status detection circuit (50) to change to an open-string operation state after the string picking, the generation of the musical tone being generated from circuit (60) stops at that timing. When this change occurs, it is selectable whether the generation of the musical tone is to be stopped or its pitch is to be changed to the one corresponding to the open-string operation state. The generated musical tone can freely be stopped from being generated through a manual operation.

IPC 1-7

**G10H 3/18**; G10H 1/34

IPC 8 full level

**G10H 1/34** (2006.01); **G10H 3/18** (2006.01)

CPC (source: EP)

**G10H 1/342** (2013.01); **G10H 3/188** (2013.01); G10H 2220/301 (2013.01)

Citation (search report)

- [X] US 4321852 A 19820330 - YOUNG JR LEROY D
- [A] US 4630520 A 19861223 - BONANNO CARMINE [US]
- [A] US 4372187 A 19830208 - BERG ARNE L

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0284047 A2 19880928**; **EP 0284047 A3 19900328**; **EP 0284047 B1 19940302**; DE 3887997 D1 19940407; DE 3887997 T2 19940929

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