

Title (en)

ELECTRONIC KEYBOARD MUSICAL INSTRUMENT, AND DEVICE FOR USING IT

Publication

EP 0126962 A3 19880210 (DE)

Application

EP 84104525 A 19840421

Priority

DE 3318667 A 19830521

Abstract (en)

[origin: US4644840A] An electronic keyboard musical instrument is operated by a main system computer in a manner dependent on the settings of input elements. A plurality of tone modules are used, each of which comprises a subsystem computer including a subsystem bus, a memory and a microprocessor. Data is exchanged between the main system computer and a subsystem computer through a bus switch which alternately connects the subsystem memory with the main system bus and the subsystem bus. This allows for an effectively "real time" exchange of data between the main system and the subsystem.

IPC 1-7

G10H 7/00

IPC 8 full level

G10H 7/00 (2006.01)

CPC (source: EP US)

G10H 7/004 (2013.01 - EP US)

Citation (search report)

- [X] US 4373416 A 19830215 - ENDO AKINORI [JP], et al
- [A] US 4184400 A 19800122 - NIIMI KOJI [JP]
- [X] PROCEEDINGS OF IEEE, Band 68, Nr. 4, April 1980, Seiten 436-449, IEEE, New York, US; H.G. ALLES: "Music synthesis using real time digital techniques"

Cited by

US6047073A; US5668338A; US6064743A; US5847304A; US6058066A; EP0744733A3; US5750913A; EP0747878A3; US5698802A; SG107089A1; WO9618995A1; US7088835B1; US6246774B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 3318667 C1 19841011; EP 0126962 A2 19841205; EP 0126962 A3 19880210; US 4644840 A 19870224

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DE 3318667 A 19830521; EP 84104525 A 19840421; US 61220184 A 19840521