

Title (en)

METHOD OF DIGITALLY CONTROLLING THE ENVELOPE IN A POLYPHONIC MUSICAL SYNTHESIS INSTRUMENT, AND CIRCUITS TO PUT THIS METHOD INTO PRACTICE

Publication

EP 0042555 B1 19840509 (DE)

Application

EP 81104526 A 19810612

Priority

DE 3023581 A 19800624

Abstract (en)

[origin: US4422363A] Envelope curves for a large number of individual sounds to be digitally synthesized are generated by storing sample envelope shapes. The duration of the stored curves is varied by exercising control over the sampling of the stored envelopes. The smooth transition from one envelope curve to another is accomplished by sampling the new curve at a fast rate until substantially matching values of the previous and new curve are found and then proceeding with the sampling of the new curve at the desired rate.

IPC 1-7

G10H 1/057

IPC 8 full level

G10H 1/02 (2006.01); **G10H 1/053** (2006.01); **G10H 1/057** (2006.01); **G10H 7/00** (2006.01)

CPC (source: EP US)

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Cited by

EP0333451A1; US5094138A

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DOCDB simple family (publication)

EP 0042555 A1 19811230; **EP 0042555 B1 19840509**; AT E7428 T1 19840515; DE 3023581 A1 19820107; DE 3023581 C2 19831110; DE 3163483 D1 19840614; JP S5748793 A 19820320; SU 1145940 A3 19850315; US 4422363 A 19831227

DOCDB simple family (application)

EP 81104526 A 19810612; AT 81104526 T 19810612; DE 3023581 A 19800624; DE 3163483 T 19810612; JP 9643381 A 19810622; SU 3305849 A 19810624; US 27668581 A 19810623