

Title (en)

DIGITAL POLYPHONIC SYNTHESIZER OF PERIODIC SIGNALS

Publication

**EP 0021964 B1 19840530 (FR)**

Application

**EP 80400861 A 19800613**

Priority

FR 7915337 A 19790615

Abstract (en)

[origin: ES8102389A1] An entirely digital polyphonic musical synthesizer in which the amplitude of each spectral component may develop either linearly or logarithmically as a function of time, including amplitude computation means which produce, for each period of an amplitude clock signal, a new current amplitude value by linear or logarithmic interpolation between the initial current amplitude and a predetermined final amplitude value. The new current amplitude value is memorized in place of the initial value. When the current amplitude is equal to the final amplitude, a signal is transmitted to the synthesizer control means. The synthesizer enables gentle modulations in amplitude to be obtained and reduces the complexity of the instrument's control means.

IPC 1-7

**G10H 7/00**

IPC 8 full level

**G10H 7/02** (2006.01); **G10H 7/00** (2006.01); **G10H 7/08** (2006.01)

CPC (source: EP US)

**G10H 7/08** (2013.01 - EP US); **G10H 2210/205** (2013.01 - EP US); **G10H 2250/161** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

AT DE GB IT NL

DOCDB simple family (publication)

**EP 0021964 A1 19810107**; **EP 0021964 B1 19840530**; AT E7744 T1 19840615; DE 3068012 D1 19840705; ES 492433 A0 19801216; ES 8102389 A1 19801216; FR 2459524 A1 19810109; FR 2459524 B1 19841109; JP S5632191 A 19810401; NO 801774 L 19801216; US 4344343 A 19820817

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**EP 80400861 A 19800613**; AT 80400861 T 19800613; DE 3068012 T 19800613; ES 492433 A 19800613; FR 7915337 A 19790615; JP 8034280 A 19800616; NO 801774 A 19800613; US 15825180 A 19800610