Title (en)

Frequency expansion for Synthesiser

Title (de)

Frequenzerweiterung für Synthesizer

Title (fr)

Elargissement en frequence pour synthetiseur

Publication

EP 1482482 A1 20041201 (DE)

Application

EP 04101464 A 20040408

Priority

DE 10324046 A 20030527

Abstract (en)

A signal is filtered with a high-pass filter (2). Subsequently, the performance in the signal is assessed with the help of a performance-assessment device (3). Mixing in a high-frequency signal (S) creates absent high frequency portions in a synthesizer output signal caused by a low scanning rate. An independent claim is also included for a mobile radiotelephone terminal/telephone.

Abstract (de)

Die vorliegende Erfindung betrifft ein Verfahren zum Erzeugen synthetischer Tonsignale mit einem Synthesizer durch Generieren eines Synthesizerausgangssignals A mit einer geringen Abtastrate des Synthesizers 1. Durch die geringe Abtastrate bedingte, fehlende hohe Frequenzanteile des Synthesizerausgangssignals werden durch Hinzumischen eines hochfrequenten Signals S erzeugt. Bevorzugt wird das hochfrequente Signal S in der Amplitude moduliert, und das amplitudenmodulierte Signal S und das Synthesizerausgangssignal A auf eine höhere Abtastrate F2 umgesetzt. <IMAGE>

IPC 1-7

G10L 21/02; G10H 5/00

IPC 8 full level

G10H 1/12 (2006.01); **G10L 21/038** (2013.01)

CPC (source: EP US)

G10H 1/125 (2013.01 - EP US); **G10L 21/038** (2013.01 - EP US); G10H 2230/021 (2013.01 - EP US); G10H 2250/635 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

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DOCDB simple family (application)

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