

Title (en)  
SYNTHESIZER SYSTEM UTILIZING MASS STORAGE DEVICES FOR REAL TIME, LOW LATENCY ACCESS OF MUSICAL INSTRUMENT  
DIGITAL SAMPLES

Title (de)  
SYNTHESIERERSYSTEM MIT GEBRAUCH VON MASSENSPEICHERVORRICHTUNGEN ZUM ZUGANG MIT NIEDRIGER LATENZZEIT VON  
DIGITALEN MUSTERN FÜR MUSIKINSTRUMENTE

Title (fr)  
SYSTEME DE SYNTHETISEUR UTILISANT DES MEMOIRES DE MASSE ET DESTINE A L'ACCES EN TEMPS REEL A FAIBLE LATENCE AUX  
ECHANTILLONS NUMERIQUES D'INSTRUMENTS DE MUSIQUE

Publication  
**EP 1101217 A1 20010523 (EN)**

Application  
**EP 99927461 A 19990610**

Priority  
• US 9913182 W 19990610  
• US 9551998 A 19980610

Abstract (en)  
[origin: WO9965016A1] A synthesizer system includes a CPU and host memory operating a software routine. The software routine stores a first part of each waveform signal in a sample pool (40) of host memory and provides remaining portions of selected musical sounds from the hard drive (22) to a stream cell array (42) without an audio perceivable delay. The synthesizer system utilizes a caching system which allow low cost, high storage devices to be utilized in an audio synthesizer system. MIDI control signals are provided to an audio processor for selecting appropriate digital waveform signals.

IPC 1-7  
**G10H 7/02**

IPC 8 full level  
**G10H 7/02** (2006.01)

CPC (source: EP)  
**G10H 7/02** (2013.01)

Citation (search report)  
See references of WO 9965016A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 9965016 A1 19991216**; EP 1101217 A1 20010523; JP 2002518693 A 20020625

DOCDB simple family (application)  
**US 9913182 W 19990610**; EP 99927461 A 19990610; JP 2000553943 A 19990610