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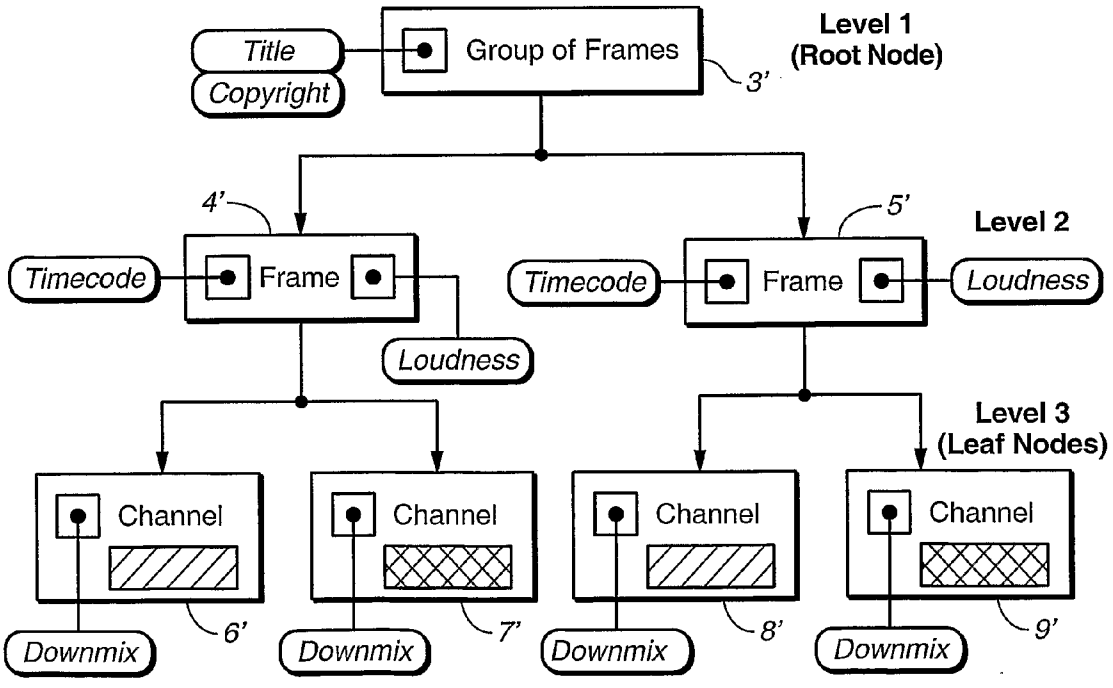
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(54) Title: AUDIO BITSTREAM FORMAT IN WHICH THE BITSTREAM SYNTAX IS DESCRIBED BY AN ORDERED TRANSVERAL OF A TREE HIERARCHY DATA STRUCTURE



(57) Abstract: A bitstream format for representing audio information in which the bitstream syntax is described by an ordered transversal of a tree hierarchy data structure, has a tree hierarchy comprising a plurality of tree hierarchy levels, each having one or more nodes, in which at least some progressively smaller subdivisions of the audio information are represented in progressively lower levels of the tree hierarchy, wherein the audio information is included among nodes in one ore more of said levels.

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DESCRIPTION

Audio Bitstream Format in Which the Bitstream Syntax Is Described by an Ordered Transversal of a Tree Hierarchy Data Structure

TECHNICAL FIELD

The invention relates to a bitstream format for representing audio information in which the bitstream syntax is described by an ordered transversal of a tree hierarchy data structure, to a bitstream formatted in accordance with such a bitstream format, to a medium for storing or transmitting such a bitstream, to a system for encoding and decoding a bitstream having a format in accordance with such a bitstream format, to an encoder for encoding a bitstream having a format in accordance with such a bitstream format, to an decoder for decoding a bitstream having a format in accordance with such a bitstream format, to a process for encoding and decoding a bitstream having a format in accordance with such a bitstream format, to a process for generating a bitstream formatted in accordance with such a bitstream format, to a process for encoding a bitstream having a format in accordance with such a bitstream format, and to a process for decoding a bitstream having a format in accordance with such a bitstream format.

DISCLOSURE OF THE INVENTION

In accordance with an aspect of the present invention, a bitstream format for representing audio information in which the bitstream syntax is described by an ordered transversal of a tree hierarchy data structure, has a tree hierarchy comprising a plurality of tree hierarchy levels, each having one or more nodes, in which at least some progressively smaller subdivisions of the audio information are represented in progressively lower levels of the tree hierarchy, wherein the audio information is included among nodes in