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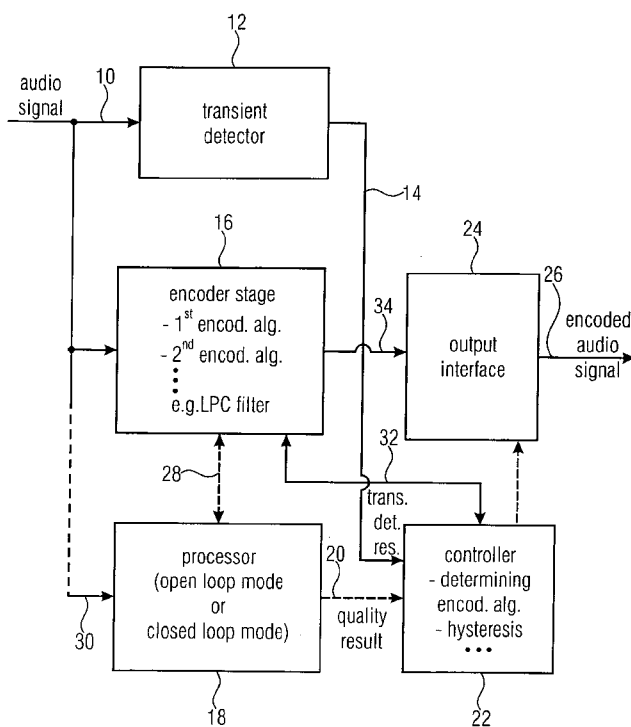
(54) Title: APPARATUS AND METHOD FOR CODING A PORTION OF AN AUDIO SIGNAL USING A TRANSIENT DE-
TECTION AND A QUALITY RESULT

FIGURE 1

(57) Abstract: An apparatus for coding a portion of an au-
dio signal (10) to obtain an encoded audio signal (26) for the
portion of the audio signal comprises a transient detector
(12) for detecting whether a transient signal is located in the
portion of the audio signal to obtain a transient detection
result (14), an encoder stage (16) for performing a first en-
coding algorithm on the audio signal, the first encoding al-
gorithm having a first characteristic, and for performing a
second encoding algorithm on the audio signal, the second
encoding algorithm having a second characteristic being dif-
ferent from the first characteristic, a processor (18) for de-
termining which encoding algorithm results in an encoded
audio signal being a better approximation to the portion of
the audio signal with respect to the other encoding algorithm
to obtain a quality result (20), and a controller (22) for de-
termining whether the encoded audio signal for the portion
of the audio signal is to be generated by either the first en-
coding algorithm or the second encoding algorithm based on
the transient detection result (14) and the quality result (20).



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