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ABSTRACT OF THE DISCLOSURE

In encoding, pitch periods for time series signals in a
predetermined time interval are calculated, and a code corresponding thereto
is output. In that encoding, the resolutions for expressing the pitch periods

5   and/or a pitch period encoding mode are switched according to whether an
index indicating a periodicity and/or stationarity level of the time series
signals satisfies a condition indicating high or low in periodicity and/or
stationarity. In that decoding, according to whether an index indicating a
periodicity and/or stationarity level, the index being included in or obtained

10   from an input code corresponding to the predetermined time interval, satisfies
a condition indicating high periodicity and/or stationarity, a decoding mode
for a code, included in the input code, corresponding to pitch periods is
switched to decode the code corresponding to the pitch periods to obtain the
pitch periods corresponding to the predetermined time interval.

Refer to Figure 4

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