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(54) Title: APPARATUS AND METHOD FOR CALCULATING BANDWIDTH EXTENSION DATA USING A SPECTRAL TILT CONTROLLING FRAMING

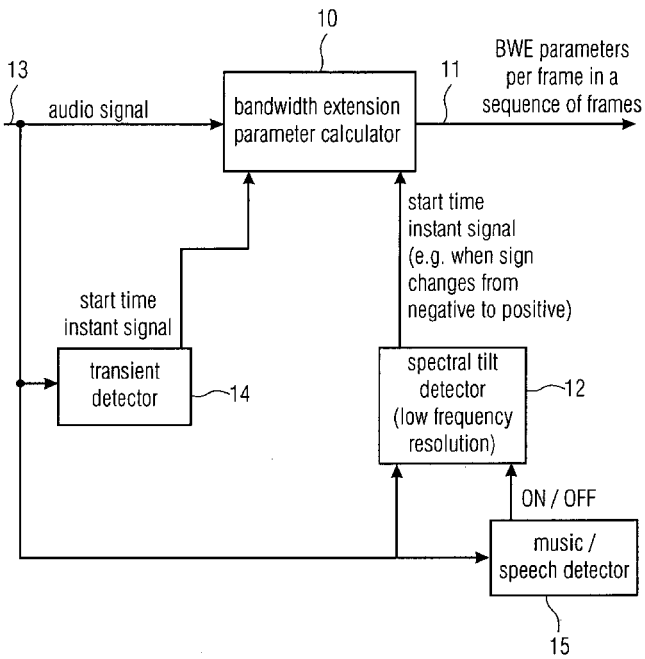


FIG 1A

(57) Abstract: An apparatus for calculating bandwidth extension data of an audio signal in a bandwidth extension system, in which a first spectral band is encoded with a first number of bits and a second spectral band different from the first spectral band is encoded with a second number of bits, the second number of bits being smaller than the first number of bits, has a controllable bandwidth extension parameter calculator (10) for calculating bandwidth extension parameters for the second frequency band in a frame-wise manner for a sequence of frames of the audio signal. Each frame has a controllable start time instant. The apparatus additionally comprises a spectral tilt detector (12) for detecting a spectral tilt in a time portion of the audio signal and for signaling the start time instant for the individual frames of the audio signal depending on spectral tilt.

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