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(54) Title: SPATIAL AUDIO ANALYSIS AND SYNTHESIS FOR BINAURAL REPRODUCTION AND FORMAT CONVERSION

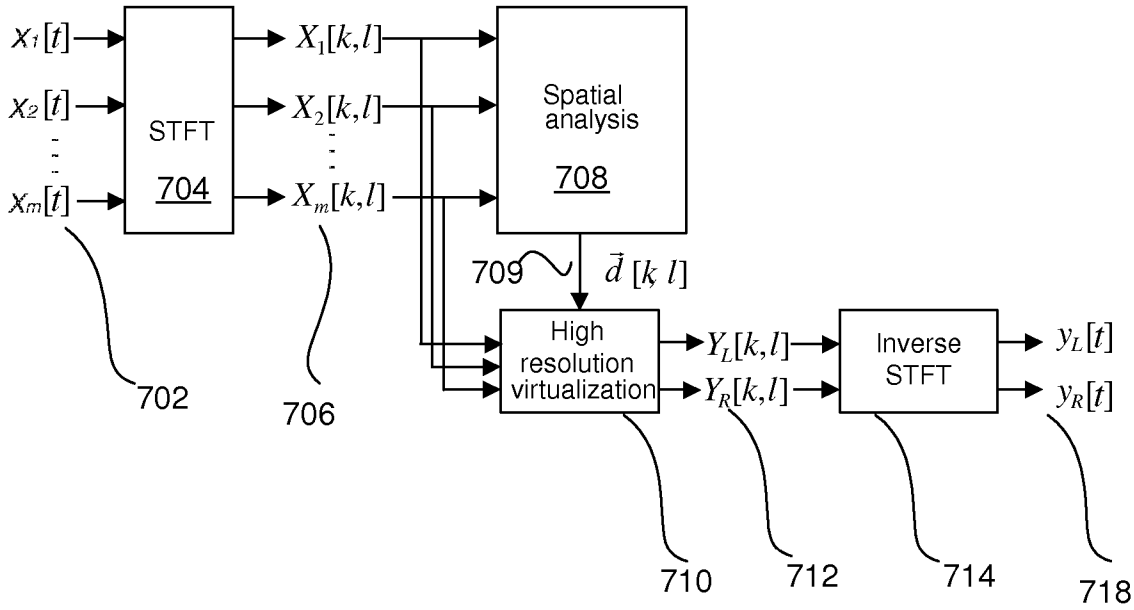


FIG. 7

(57) Abstract: A frequency-domain method for format conversion or reproduction of 2-channel or multi-channel audio signals such as recordings is described. The reproduction is based on spatial analysis of directional cues in the input audio signal and conversion of these cues into audio output signal cues for two or more channels in the frequency domain.

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