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ABSTRACT

METHOD FOR SPATIALLY PROCESSING MULTICHANNEL SIGNALS, PROCESSING MODULE, AND VIRTUAL SURROUND-SOUND SYSTEMS

Embodiments of a virtual surround-sound system and methods for simulating surround-sound are generally described herein. Other embodiments may be described and claimed. In some embodiments, a processing module may include spatial processor spatially processes surround-left and surround-right channel signals and front-left and front-right channel signals and combines the spatially-processed signals for providing to drivers of center speaker after crosstalk cancellation and combining with a center-channel signal. In some embodiments, the processing module may include circuitry to cause the spatial processor to refrain from spatially processing either the front-left and front-right channel signals when front-left and/or front-right speakers are connected.

FIG. 1