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ABSTRACT OF THE DISCLOSURE

The invention relates generally to transmitting and receiving multiple channels of information, particularly audio information which represents a multidimensional sound field. More particularly, the invention relates to devices and methods which provide signals that are compatible with multi-channel receivers and with matrix decoders such as the decode MP-Matrix used for many motion picture soundtracks. In a multi-channel transmitter, a network prepares intermediate signals which are encoded by signal analysis processors into a signal for subsequent transmission or storage. In a multi-channel receiver, information extracted from the received encoded signal is combined in a network and processed by signal synthesis processors to provide output signals which are compatible with a matrix decoder.

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