

Title (en)

POST-AMPLIFICATION STEREOPHONIC TO SURROUND SOUND DECODING CIRCUIT

Title (de)

STEREO ZU RAUMKLANG NACHVERSTÄRKUNG- SCHALLDEKODIERUNGSSCHALTUNG

Title (fr)

CIRCUIT POST-AMPLIFICATION DE DECODAGE DU SON DEPUIS UN MODE STEREOPHONIQUE EN UN MODE SURROUND

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9926455A1] A post-amplification stereophonic to surround sound decoding circuit is described herein. The decoding circuit includes inputs to be connected to a stereophonic power amplifier to receive a powered amplified stereophonic signal and outputs to be connected to left and right main loudspeakers, to left and right secondary loudspeakers and to a central loudspeaker. The decoding circuit includes secondary channels decoding circuit decoding left and right surround channel signals to be supplied to the left and right secondary loudspeakers, respectively, and a central channel decoding circuit decoding a central channel signal to be supplied to the central loudspeaker. The central channel decoding circuit includes two decoupling capacitors decoupling the left and right signals from the powered amplified stereophonic signal before combining these signals to yield the central channel signal. This decoupling action prevents "bleeding" of the left and right signals that would degrade the stereophonic signal.

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