

Title (en)

Digital 3-channel transmission of left and right stereo signals and a center signal.

Title (de)

Digitale Dreikanalübertragung von linken und rechten Stereosignalen und von einem Mittelsignal.

Title (fr)

Transmission numérique à trois canaux de signaux/stéréophoniques gauche et droit et d'un signal central.

Publication

EP 0608930 A1 19940803

Application

EP 94200087 A 19940114

Priority

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- EP 93200156 A 19930122

Abstract (en)

System for digital transmission of left and right stereo signals and a center signal through left and right stereo channels and an auxiliary channel respectively. In order to substantially reduce the extra bandwidth necessary to transmit the center signal while maintaining the possibility of a proper reproduction of the center signal a selection of a first and a second centerpart signal is provided, the frequency spectrum thereof being respectively located in a frequency range of the center signal below and above a cut-off frequency, said cut-off frequency being related to the transmission capacity of the auxiliary channel, the first of these centerpart signals being transmitted through the auxiliary channel for reproduction at the receiver side through a center speaker unit, at least the second of these centerpart signals being transmitted together with the left and right stereo signals through the left and right stereo channels, respectively, the second centerpart signal being combined with the left and right stereo signals into, respectively, left/center and right/center signals for reproduction at the receiver side through left and right speaker units, simultaneously with the reproduction of the first centerpart signal through the centerspeaker unit. <IMAGE>

IPC 1-7

H04S 3/00; **H04H 5/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [DA] W.R.TH. TEN KATE ET AL.: "MATRIXING OF BIT RATE REDUCED AUDIO SIGNALS", ICASSP 92, INT. CONF. ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, vol. 2, 23 March 1992 (1992-03-23), SAN FRANCISCO, CA, USA, pages 205 - 208, XP000356973, DOI: doi:10.1109/ICASSP.1992.226084

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