

Title (en)
5-2-5 MATRIX DECODER SYSTEM

Title (de)
5-2-5 MATRIX DEKODIERUNGSSYSTEM

Title (fr)
SYSTEME DE DECODAGE A MATRICE 5-2-5

Publication
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Application
EP 98945881 A 19980903

Priority

- US 9818390 W 19980903
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- US 14644298 A 19980903

Abstract (en)
[origin: WO9912386A1] A sound reproduction system for converting stereo signals on two input channels (92, 94), at least one signal component being directionally encoded and correlated and at least one signal component that is not directionally encoded and uncorrelated in the two input channels, into signals for several output channels, including decoding apparatus (90) for enhancing the correlated component of the input signals in the desired direction and reducing the strength of such signals in channels not associated with the encoded direction, while preserving the separation between the respective left and right output channels (172, 176) and the total energy of the uncorrelated component of the input channels in each output channel, such that instruments recorded on the right input channel stay on the right side of the output channels and the instruments recorded on the left stay on the left side, and the apparent loudness of all the instruments in all the output channels stays the same regardless of the direction of the directionally encoded component of the input signals, and encoding means to encode five input channels so they will encode with correct direction and level in decoders according to the invention, and in decoders according to the current film standard.

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H04R 3/02 (2006.01); **H04S 3/02** (2006.01); **H04S 5/02** (2006.01)

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Citation (examination)

- US 5136650 A 19920804 - GRIESINGER DAVID H [US]
- WO 9804100 A1 19980129 - GRIESINGER DAVID [US]

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WO 9912386 A1 19990311; WO 9912386 A9 20041021; AU 750877 B2 20020801; AU 750877 C 20040429; AU 9302698 A 19990322; CN 1214690 C 20050810; CN 1278996 A 20010103; EP 1013140 A1 20000628; EP 1013140 A4 20030507; EP 1013140 B1 20121205; JP 2004507904 A 20040311; JP 2006238498 A 20060907; JP 4782614 B2 20110928; PL 338988 A1 20001204

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