

Title (en)
Improved Dolby prologic decoder.

Title (de)
Dolby-Prologic-Dekodierer.

Title (fr)
Décodeur prologic Dolby.

Publication
EP 0630168 A1 19941221 (EN)

Application
EP 94108673 A 19940607

Priority
FI 932735 A 19930615

Abstract (en)
The nucleus block of a Dolby Prologic decoder comprises two main sections: an adaptation section (21) and a matrix section (22) comprising voltage controlled amplifiers VCA. The adaptive section examines the two channel input signal to find in which direction the dominance of the sound field is located, and then generates control signals controlling the amplifiers of the matrix section. In this way we obtain the four channel output signal (R, L, C and S). According to the invention the two channel audio signal (Lt, Rt) is supplied to a block performing linear signal processing operations and processing separately the signal of both channels. The two channel output signal of the DSP block is the input signal of the matrix section (22). In this way it is possible to affect all four output channels by processing only two channels, without otherwise interfering with the function of the decoder. <IMAGE>

IPC 1-7
H04S 3/00

IPC 8 full level
H04S 3/02 (2006.01)

CPC (source: EP)
H04S 3/02 (2013.01)

Citation (search report)
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• [A] US 4799260 A 19890117 - MANDELL DOUGLAS E [US], et al
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