

Title (en)

Deriving system for deriving a centre channel signal from a stereophonic audio signal

Title (de)

System zur Ableitung eines Mittelkanalsignals aus einem Stereotonsignal

Title (fr)

Système de dérivation pour obtenir un signal de canal central à partir d'un signal audio stéréophonique

Publication

**EP 0593128 B1 19990107 (EN)**

Application

**EP 93202888 A 19931014**

Priority

- EP 93202888 A 19931014
- EP 92203155 A 19921015

Abstract (en)

[origin: EP0593128A1] The disclosed system comprises a direction detection circuit (32) for deriving a measure (V<sub>wh</sub>) for a direction of a direction vector (W<sub>h</sub>) which vector, in a state area in which combinations (R,L) of signal values of the left and right channel signals are shown at specific instants, is indicative of the direction of the most powerful sound source. A circuit (33) derives from this measure (V<sub>wh</sub>) two weight factors (w<sub>1</sub>,w<sub>2</sub>). A centre channel signal (C) is derived which is a weighted sum of the left (L) and right (R) channel signal determined by the weight factors (w<sub>1</sub>,w<sub>2</sub>). In this manner a centre channel signal is obtained which has a less dull sound on reproduction. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

EP1784048A3; CN100349497C; EP1054575A3; EP0743640A3; CN106576211A; US8045719B2; WO2007106324A1; WO2011039413A1; US8265301B2; US8160259B2; US8311238B2; US7016501B1; US8368715B2

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