

Title (en)

CIRCUIT FOR DERIVING A QUALITY SIGNAL DEPENDENT ON THE QUALITY OF A RECEIVED MULTIPLEX SIGNAL

Title (de)

SCHALTUNGSANORDNUNG ZUR ABLEITUNG EINES VON DER QUALITÄT EINES EMPFANGENEN MULTIPLEXSIGNALS ABHÄNGIGEN QUALITÄTSSIGNALS

Title (fr)

CIRCUIT POUR LA DERIVATION D'UN SIGNAL DE QUALITE DEPENDANT DE LA QUALITE D'UN SIGNAL MULTIPLEX DE RECEPTION

Publication

EP 0691049 A1 19960110 (DE)

Application

EP 94911061 A 19940322

Priority

- DE 4309518 A 19930324
- DE 9400320 W 19940322

Abstract (en)

[origin: WO9422228A1] In a circuit for deriving a quality signal dependent on the quality of a received multiplex signal in a stereo radio receiver. The multiplex signal contains a sum signal (L+R) in the base band, an auxiliary carrier modulated with a difference signal (L-R) and a pilot signal at half the frequency of the auxiliary carrier, the multiplex signal in digital form is multiplied by a reference carrier obtained from a scanning pulse generated in the radio receiver in two phase positions mutually offset by 90 DEG . The mixed signals obtained by the multiplication are multiplied by a correction signal to form corrected mixed signals which are added and taken together with the sum signal to a matrix circuit to form stereo audio signals (L, R). The mixed signals are also multiplied by the other correction signal. The products of these multiplications are subtracted from each other and low-pass-filtered.

IPC 1-7

H04B 1/16; **H04B 1/30**

IPC 8 full level

H03H 17/02 (2006.01); **H03H 17/04** (2006.01); **H04B 1/10** (2006.01); **H04B 1/16** (2006.01); **H04B 1/26** (2006.01); **H04B 1/30** (2006.01); **H04B 1/64** (2006.01); **H04H 5/00** (2006.01); **H04H 20/12** (2008.01); **H04H 40/45** (2008.01)

IPC 8 main group level

H04H 1/00 (2006.01)

CPC (source: EP US)

H04H 20/12 (2013.01 - EP US); **H04H 40/45** (2013.01 - EP US)

Citation (search report)

See references of WO 9422228A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 9422228 A1 19940929; DE 59403123 D1 19970717; EP 0691049 A1 19960110; EP 0691049 B1 19970611; JP 3640669 B2 20050420; JP H08508142 A 19960827; US 5696830 A 19971209

DOCDB simple family (application)

DE 9400320 W 19940322; DE 59403123 T 19940322; EP 94911061 A 19940322; JP 52052694 A 19940322; US 52231295 A 19950825