

Title (en)

CHROMINANCE DEMODULATION WITH SAMPLING OF THE INPUT SIGNAL AT THREE TIMES THE COLOUR SUBCARRIER FREQUENCY

Title (de)

CHROMINANZDEMODULATION DURCH ABTASTUNG DES EINGANGSSIGNALS MIT DEN DREIFACHEN FARBHILFSTRÄGERFREQUENZ

Title (fr)

DEMODULATION DE SIGNAUX DE CHROMINANCE AVEC ECHANTILLONNAGE DU SIGNAL D'ENTREE A TROIS FOIS LA FREQUENCE DE LA SOUS-PORTEUSE DE CHROMINANCE

Publication

EP 0734631 A1 19961002 (EN)

Application

EP 95930678 A 19950922

Priority

- EP 95930678 A 19950922
- EP 94203032 A 19941019
- IB 9500781 W 19950922

Abstract (en)

[origin: WO9613127A1] In a method of demodulating chrominance signals, input signals (CVBS) are sampled at three times the color subcarrier frequency to obtain sampled signals. The sampled signals are demodulated (D_u , D_v) at demodulation angles with respect to the color subcarrier phase which demodulation angles differ by $360 \text{ DEG} / (3 \cdot 2^{<n>})$, with n being 0, 1 or 2, preferably at demodulation angles of 0 DEG and 120 DEG with respect to the color subcarrier phase, to obtain demodulator output signals ($2U/2\sqrt{3}$; $-U/2\sqrt{3} + V$). The demodulator output signals ($2U/2\sqrt{3}$; $-U/2\sqrt{3} + V$) are matrixed (M_x) to obtain demodulated chrominance signals (U , V).

IPC 1-7

H04N 9/64; **H04N 9/67**

IPC 8 full level

H03D 1/22 (2006.01); **H04N 9/64** (2006.01); **H04N 9/66** (2006.01); **H04N 9/67** (2006.01)

CPC (source: EP)

H03D 1/22 (2013.01); **H04N 9/66** (2013.01); **H03D 1/2227** (2013.01)

Citation (search report)

See references of WO 9613127A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 9613127 A1 19960502; EP 0734631 A1 19961002

DOCDB simple family (application)

IB 9500781 W 19950922; EP 95930678 A 19950922