Title (en)

METHOD AND DEVICE FOR DETERMINING A FREQUENCY FOR SAMPLING AN ANALOG SIGNAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG EINER FREQUENZ FÜR DIE ABTASTUNG EINES ANALOGEN SIGNALS

Title (fr)

PROCEDE ET DISPOSITIF SERVANT A DETERMINER UNE FREQUENCE POUR L'ECHANTILLONNAGE D'UN SIGNAL ANALOGIQUE

Publication

EP 1512133 B1 20060809 (DE)

Application

EP 03758016 A 20031017

Priority

- DE 10254469 A 20021121
- EP 0311559 W 20031017

Abstract (en)

[origin: WO2004047063A1] The invention relates to a method and device for determining a frequency for sampling an analog signal, which is provided to a digital display screen (134) for displaying an image on the same. According to the invention, at least two areas (1380 - 1386) that are consecutive in a line direction are firstly established in the image (136) to be displayed. In each of the established areas (1380 - 1386), a sampling phase is determined for which a contrast in the established area (1380 - 1386) is at a maximum or minimum. Afterwards, a local progression of the sampling phase in the line direction is determined on the basis of the determined sampling phases. The sampling frequency is determined on the basis of a fundamental value and on a modification value that is derived from the local progression of the sampling phase.

IPC 8 full level

G09G 3/20 (2006.01); **G09G 3/36** (2006.01); **G09G 5/00** (2006.01); **G09G 5/18** (2006.01); **H03M 7/00** (2006.01)

CPC (source: EP US)

G09G 5/008 (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 2004047063 A1 20040603; AU 2003274038 A1 20040615; DE 10254469 A1 20040609; DE 10254469 B4 20041209; DE 50304583 D1 20060921; EP 1512133 A1 20050309; EP 1512133 B1 20060809; JP 2006506669 A 20060223; TW 200419500 A 20041001; TW I274313 B 20070221; US 2005179571 A1 20050818; US 7257499 B2 20070814

DOCDB simple family (application)

EP 0311559 W 20031017; AU 2003274038 A 20031017; DE 10254469 A 20021121; DE 50304583 T 20031017; EP 03758016 A 20031017; JP 2004552482 A 20031017; TW 92130227 A 20031030; US 9874305 A 20050404