

Title (en)

METHOD AND APPARATUS FOR MEASURING AUDIO/VIDEO SYNC DELAY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MESSUNG DER AUDIO/VIDEO-SYNCHRONISATIONSVERZÖGERUNG

Title (fr)

PROCEDE ET APPAREIL DE MESURE DE RETARD DE SYNCHRONISATION AUDIO/VIDEO

Publication

EP 2005762 A1 20081224 (EN)

Application

EP 07732245 A 20070330

Priority

- GB 2007001191 W 20070330
- GB 0607215 A 20060410

Abstract (en)

[origin: GB2437123A] A method of determining the delay between an audio and visual signal, the method comprising providing a video signal having a plurality of sequential timestamps visually encoded thereon and providing an audio signal having a corresponding plurality of timestamps audibly encoded thereon, the audio and video signals being synchronised to one another, encoding the audio and video signals to generate digitally encoded audio and video data streams, analysing the encoded video and audio data streams to extract each of the audibly and visually encoded timestamps and measuring any delay between the time of receipt of corresponding video and audio timestamps. The video timestamps may be a binary code that display as colours and the audio timestamps may comprise a plurality of frequencies.

IPC 8 full level

H04N 7/52 (2011.01)

CPC (source: EP GB)

H04N 17/004 (2013.01 - GB); **H04N 21/2368** (2013.01 - EP); **H04N 21/4341** (2013.01 - EP); **H04N 21/8106** (2013.01 - EP); **H04N 21/8547** (2013.01 - EP); **H04N 17/004** (2013.01 - EP)

Citation (examination)

- EP 0789497 A2 19970813 - TEKTRONIX INC [US]
- US 4326102 A 19820420 - CULP DAVID W, et al
- EP 0888019 A1 19981230 - HEWLETT PACKARD CO [US]
- See also references of WO 2007116205A1

Cited by

CN112601077A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

GB 0607215 D0 20060517; **GB 2437123 A 20071017**; **GB 2437123 B 20110126**; EP 2005762 A1 20081224; JP 2009533920 A 20090917; JP 5025722 B2 20120912; WO 2007116205 A1 20071018; WO 2007116205 A9 20090409

DOCDB simple family (application)

GB 0607215 A 20060410; EP 07732245 A 20070330; GB 2007001191 W 20070330; JP 2009504802 A 20070330