

Title (en)

DIGITAL VIDEO RECORDING AND REPRODUCTION SYSTEM AND METHOD SUITABLE FOR LIVE-PAUSE PLAYBACK UTILIZING INTELLIGENT BUFFER MEMORY ALLOCATION

Title (de)

FÜR LIVE-PAUSE-ABSPIELEN GEEIGNETES UND INTELLIGENTE PUFFERSPEICHERZUTEILUNG VERWENDENDEN SYSTEM UND VERFAHREN ZUR DIGITALEN VIDEOAUFZEICHNUNG UND WIEDERGABE

Title (fr)

PROCEDE ET SYSTEME DE REPRODUCTION ET D'ENREGISTREMENT VIDEO NUMERIQUE CONVENANT POUR LA LECTURE AVEC FONCTIONS DE PAUSE ET DE REDIFFUSION INSTANTANEE UTILISANT L'ATTRIBUTION DE MEMOIRE TAMPON INTELLIGENTE

Publication

EP 1442588 A4 20060322 (EN)

Application

EP 02789336 A 20021031

Priority

- US 0234855 W 20021031
- US 34596601 P 20011107
- US 3221801 A 20011221

Abstract (en)

[origin: WO03041387A2] A Digital Video Recording (DVR) system and method obviates the need for prior art circular video buffers and their associated problems by using information from a Program Guide Service to specify an appropriate length buffer. As a result, older portions of a program are not erased because of buffer size limitation, and system resources are not inefficiently allocated for small programs. The invention is especially compatible with live-pause recording and playback. At the viewer/user's option any program being played back or recorded can be stored in long-term memory.

[origin: WO03041387A2] A Digital Video Recording (DVR) system (100) and method (200) obviates the need for prior art circular video buffers and their associated problems by using information from a Program Guide Service (102) to specify an appropriate length buffer. As a result, older portions of a program are not erased because of buffer size limitation, and system resources are not inefficiently allocated for small programs. The invention is especially compatible with live-pause recording and playback. At the viewer/user's option any program being played back or recorded can be stored in long-term memory (118).

IPC 1-7

H04N 1/00; **H04N 5/76**

IPC 8 full level

H04N 5/44 (2006.01); **H04N 5/445** (2006.01); **H04N 5/76** (2006.01); **H04N 5/765** (2006.01); **H04N 5/775** (2006.01); **H04N 9/79** (2006.01); **H04N 9/804** (2006.01)

CPC (source: EP)

H04N 5/76 (2013.01); **H04N 5/765** (2013.01); **H04N 5/775** (2013.01); **H04N 9/7921** (2013.01); **H04N 9/8042** (2013.01)

Citation (search report)

- [DXA] US 5329320 A 19940712 - YIFRACH AHARON [IL]
- [E] US 2002174430 A1 20021121 - ELLIS MICHAEL D [US], et al
- [E] WO 03043320 A2 20030522 - BRITISH SKY BROADCASTING LTD [GB], et al
- [E] EP 1343166 A2 20030910 - NOKIA CORP [FI]
- See references of WO 03041387A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03041387 A2 20030515; **WO 03041387 A3 20030828**; AU 2002353935 A1 20030519; EP 1442588 A2 20040804; EP 1442588 A4 20060322

DOCDB simple family (application)

US 0234855 W 20021031; AU 2002353935 A 20021031; EP 02789336 A 20021031