

Title (en)
SYSTEMS AND METHODS RELATING TO DETERMINING THE DESIRABILITY OF AND RECORDING PROGRAMMING EVENTS

Title (de)
SYSTEME UND VERFAHREN BETREFFEND DIE BESTIMMUNG DER WÜNSCHBARKEIT VON PROGRAMMIEREREIGNISSEN UND DIE AUFZEICHNUNG DIESER

Title (fr)
SYSTEMES ET PROCEDES CONCERNANT LA DETERMINATION DE L'INTERET D'EVENEMENTS DE PROGRAMMATION ET DE LEUR ENREGISTREMENT

Publication
EP 1459530 A4 20050608 (EN)

Application
EP 02791233 A 20021112

Priority

- US 0236328 W 20021112
- US 99180701 A 20011116
- US 99174101 A 20011116
- US 99268601 A 20011116
- US 99288201 A 20011116
- US 99181401 A 20011116
- US 99241401 A 20011116

Abstract (en)
[origin: WO03044624A2] Metadata for a programming event may be generated by receiving descriptive information and timing information for the programming event and analyzing this information to determine category goodness of fit scores for the programming event corresponding to categories of a classification hierarchy. The information is further analyzed to determine keywords associated with the programming event. The category goodness of fit scores and keywords may be stored along with time data and descriptive data for the programming event as metadata for the programming event. Goodness of fit scores may also be generated for the keywords. Metadata may be generated for individual segments within a program, each of which is treated as a separate programming event. The metadata may be used to determine programming events of interest for recording or for generating alert banners. Timing data for synchronizing the recording device to the programming event may be provided in a closed caption data stream.

IPC 1-7
H04N 7/025; **H04N 7/16**; **H04N 5/445**; **H04N 7/173**

IPC 8 full level
G06F 17/30 (2006.01); **H04N 5/00** (2006.01); **H04N 5/445** (2006.01); **H04N 5/782** (2006.01); **H04N 7/16** (2006.01); **H04N 7/173** (2006.01); **H04N 7/24** (2006.01); **H04N 5/781** (2006.01); **H04N 5/85** (2006.01)

CPC (source: EP)
G06F 16/78 (2018.12); **G06F 16/7844** (2018.12); **H04N 5/782** (2013.01); **H04N 21/235** (2013.01); **H04N 21/4305** (2013.01); **H04N 21/4334** (2013.01); **H04N 21/435** (2013.01); **H04N 21/4532** (2013.01); **H04N 21/454** (2013.01); **H04N 21/466** (2013.01); **H04N 21/4665** (2013.01); **H04N 21/4668** (2013.01); **H04N 21/4755** (2013.01); **H04N 21/4854** (2013.01); **H04N 21/8405** (2013.01); **H04N 5/781** (2013.01); **H04N 5/85** (2013.01)

Citation (search report)

- [Y] WO 0173599 A2 20011004 - KONINKL PHILIPS ELECTRONICS NV [NL]
- [Y] WO 9929108 A1 19990610 - GTE LABORATORIES INC [US]
- [A] EP 0774868 A1 19970521 - THOMSON CONSUMER ELECTRONICS [US]
- [A] US 5924090 A 19990713 - KRELLENSTEIN MARC F [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 09 13 October 2000 (2000-10-13)
- See references of WO 03044624A2

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 03044624 A2 20030530; **WO 03044624 A3 20031231**; AU 2002366072 A1 20030610; AU 2002366072 A8 20030610; EP 1459530 A2 20040922; EP 1459530 A4 20050608

DOCDB simple family (application)
US 0236328 W 20021112; AU 2002366072 A 20021112; EP 02791233 A 20021112