

Title (en)  
APPLICATION PROGRAMMING INTERFACE FOR ENABLING A DIGITAL TELEVISION RECEIVER TO ACCESS SYSTEM INFORMATION IN AN ABSTRACT FORMAT

Title (de)  
ANWENDUNGSPROGRAMMIERUNGSSCHNITTSTELLE UM EINEM DIGITALEN FERNSEHMPFÄNGER ZUGANG ZUR SYSTEMINFORMATION IM ABSTRAKTEN FORMAT ZU ERMÖGLICHEN

Title (fr)  
INTERFACE APPLICATIVE PERMETTANT A UN RECEPTEUR DE TELEVISION NUMERIQUE D'ACCEDER A DES INFORMATIONS DU SYSTEME DANS UN FORMAT ABSTRAIT

Publication  
**EP 1125432 A1 20010822 (EN)**

Application  
**EP 99971609 A 19991028**

Priority  
• US 9925322 W 19991028  
• US 10650898 P 19981030  
• US 10796598 P 19981112  
• US 11344498 P 19981223

Abstract (en)  
[origin: WO0027114A1] An application programming interface (API) allows applications (e.g., applets) at a digital television terminal to recover System Information (SI) from a digital transport stream without regard to the specific SI format. The API abstracts the relevant portions of the SI to provide it in a generic, usable format. The system is suitable for use, e.g., with SI formats including MPEG Program Specific Information (PSI), DVB SI, ATSC Program and System Information Protocol (PSIP), Cable SI such as Digital Video Standard 234, and private SI. In an optional embodiment, asynchronous delivery of SI is provided for SI that is not immediately available in the terminal's memory. Additionally, the API can further abstract the SI so that it is independent of the specific transport stream format (e.g., MPEG-2). Moreover, incremental retrieval of SI data is provided by allowing an application to obtain a small subset of the SI that is available at the terminal, analyze it, and retrieve additional SI if required based on the analysis. The API includes a navigation package (110), a program guide package (120), a program selection/tuning package (130), a descriptor package (140), a utility package (150), a data package (160), and a pipeline package (170).

IPC 1-7  
**H04N 7/00**; **H04N 7/24**; **H04N 5/00**

IPC 8 full level  
**H04N 5/00** (2011.01); **H04N 7/025** (2006.01); **H04N 7/03** (2006.01); **H04N 7/035** (2006.01); **H04N 7/24** (2011.01)

CPC (source: EP KR)  
**H04N 7/20** (2013.01 - KR); **H04N 21/235** (2013.01 - EP); **H04N 21/434** (2013.01 - EP); **H04N 21/4345** (2013.01 - EP); **H04N 21/435** (2013.01 - EP); **H04N 21/4431** (2013.01 - EP); **H04N 21/4437** (2013.01 - EP)

Citation (search report)  
See references of WO 0027114A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0027114 A1 20000511**; AU 1455100 A 20000522; AU 755310 B2 20021212; BR 9914790 A 20011002; CA 2349009 A1 20000511; CN 1332935 A 20020123; EP 1125432 A1 20010822; HK 1043898 A1 20020927; JP 2002529970 A 20020910; KR 20010082261 A 20010829

DOCDB simple family (application)  
**US 9925322 W 19991028**; AU 1455100 A 19991028; BR 9914790 A 19991028; CA 2349009 A 19991028; CN 99815174 A 19991028; EP 99971609 A 19991028; HK 02105430 A 20020723; JP 2000580375 A 19991028; KR 20017005308 A 20010427