

Title (en)
A SET-TOP BOX WITH AN INTERNET BIOS FOR INTERNET ACCESS

Title (de)
SET-TOP-BOX MIT EINEM INTERNET-BIOS FÜR INTERNET-ZUGRIFF

Title (fr)
DECODEUR INTEGRE A UN RECEPTEUR DE TELEVISION ET POURVU D'UN SYSTEME BIOS INTERNET PERMETTANT L'ACCES AU RESEAU INTERNET

Publication
EP 0877980 A4 20000329 (EN)

Application
EP 97904131 A 19970131

Priority
• US 9701554 W 19970131
• US 59463896 A 19960202

Abstract (en)
[origin: WO9728499A1] A set-top box for receiving and decoding data streams to provide video display on a display monitor (20, 22) has a unique Internet BIOS (IBIOS) adapted for providing a user interface on a connected display monitor (20, 22), providing facility for a user to access and display Web pages from the Internet World Wide Web. The IBIOS is installed in a non-volatile memory (47), and comprises a basic input output (BIOS) code set, an operating system, a Transfer Control Protocol/Internet Protocol (TCP/IP) code set, an embedded Web Browser application, and a top managing application. The set-top box is computer based, and has, in various embodiments, various capability for receiving and decoding incoming data streams and providing display from the data streams on a connected display monitor (20, 22), which may be a television set (20) or other monitor (22).

IPC 1-7
G06F 9/00; H04N 5/00

IPC 8 full level
G06F 9/445 (2006.01); **G06F 13/00** (2006.01); **G06F 15/00** (2006.01); **H04L 29/06** (2006.01); **H04N 5/00** (2006.01); **H04N 5/44** (2011.01); **H04N 5/445** (2006.01); **H04N 5/765** (2006.01); **H04N 7/16** (2006.01)

CPC (source: EP)
G06F 9/4401 (2013.01); **G06F 9/44573** (2013.01); **H04L 69/161** (2013.01); **H04N 21/25891** (2013.01); **H04N 21/4181** (2013.01); **H04N 21/42228** (2013.01); **H04N 21/426** (2013.01); **H04N 21/42646** (2013.01); **H04N 21/42676** (2013.01); **H04N 21/443** (2013.01); **H04N 21/4622** (2013.01); **H04N 21/47** (2013.01); **H04N 21/4782** (2013.01); **H04N 21/4821** (2013.01); **H04N 21/64322** (2013.01); **H04L 69/16** (2013.01)

Citation (search report)
• [E] EP 0760568 A1 19970305 - INT COMPUTERS LTD [GB]
• [A] EP 0670652 A1 19950906 - FIRSTPERSON INC [US]
• [XYA] BISSELL R A ET AL: "THE SET-TOP BOX FOR INTERACTIVE SERVICES", BT TECHNOLOGY JOURNAL, vol. 13, no. 4, 1 October 1995 (1995-10-01), pages 66 - 77, XP000538881, ISSN: 0265-0193
• [Y] RIESMAN R R: "THE MISSING LINK ? (CD-ROM/ONLINE HYBRIDS)", CD-ROM PROF. (USA), CD-ROM PROFESSIONAL, April 1995 (1995-04-01), pages 66 - 74, XP002123655
• [A] HUANG Y -H ET AL: "DESIGN OF AN MPEG-BASED SET-TOP BOX FOR VIDEO ON DEMAND SERVICES", PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (ICASSP), DETROIT, MAY 9 - 12, 1995 IMAGE AND MULTI-DIMENSIONAL SIGNAL PROCESSING/ SIGNAL PROCESSING APPLICATIONS DEVELOPMENT, vol. 4, no. CONF. 20, 9 May 1995 (1995-05-09), INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, pages 2655 - 2658, XP000535478, ISBN: 0-7803-2432-3
• [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 03 28 April 1995 (1995-04-28) & US 5896557 A 19990420 - SUZUKI KAZUO [JP], et al
• [A] GESSLER S ET AL: "PDAs as mobile WWW browsers", COMPUTER NETWORKS AND ISDN SYSTEMS, vol. 28, no. 1, 1 December 1995 (1995-12-01), pages 53-59, XP004001210, ISSN: 0169-7552
• [A] "DAS TELEFON ZUM FERNSEHEN", FUNKSCHAU, vol. 58, no. 19, 1 September 1986 (1986-09-01), pages 34 - 36, XP002022117, ISSN: 0016-2841
• [A] "PERSONAL MEDIA USING PERSONAL COMPUTER MEMORY CARD INTERNATIONAL ASSOCIATION CARDS", IBM TECHNICAL DISCLOSURE BULLETIN, vol. 38, no. 9, 1 September 1995 (1995-09-01), pages 489, XP000540340, ISSN: 0018-8689
• See references of WO 9728499A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9728499 A1 19970807; CN 1232562 A 19991020; EP 0877980 A1 19981118; EP 0877980 A4 20000329; JP 2000504134 A 20000404

DOCDB simple family (application)
US 9701554 W 19970131; CN 97192022 A 19970131; EP 97904131 A 19970131; JP 52783797 A 19970131