

Diego Gonzalez

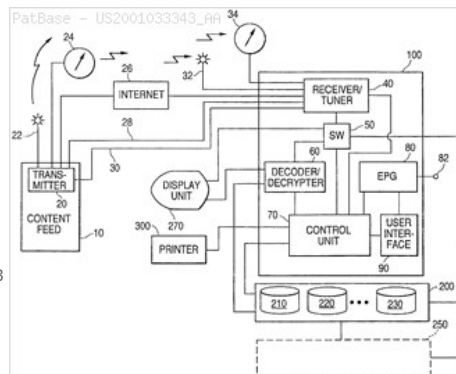
Abstract: Source: US2001033343A A personal video on-demand system and method which permits a user to receive available content using at least two tuners and perform one of a plurality of operations on the available content. These operations include recording two or more signals, where one or both may be simultaneously viewed, recording one or more signals and playing back one or more signals, playing back two or more signals, watching one or more signals while recording one or more other signals, viewing two or more signals live, or viewing at least one signal live, while viewing one or more signals in a playback mode. These operations also include selecting an even based on actor, actress, director, etc., alerting a user to an attempt to record a duplicate program, displaying a status of a program from the available content the user is watching, playing paused programming or converting paused programming to recorded programming during a channel change, allowing a user to record an entire program after viewing the program for a period of time, permitting a user to capture a snippet of the available content, permitting a user to rewind recording in an increment for playback of a portion of the available content, enabling a user to jump back from a live broadcast to a last paused video segment.

International (IPC 8-9): G06F12/14 G06F13/00 G06F3/00 G11B27/034 G11B27/10 G11B27/34 H04L12/16 H04M1/65 H04N21/4147 H04N21/426 H04N21/431 H04N21/433 H04N21/4335 H04N21/4402 H04N21/442 H04N21/443 H04N21/45 H04N21/454 H04N21/472 H04N21/475 H04N21/478 H04N21/482 H04N21/61 H04N5/00 H04N5/44 H04N5/445 H04N5/455 H04N5/76 H04N5/782 H04N5/91 H04N5/913 H04N7/00 H04N7/16 H04N7/167 H04N7/173 (Advanced/Invention); H04M1/65 H04N21/41 H04N21/488 H04N5/445 H04N5/50 H04N5/775 H04N5/781 H04N5/782 H04N5/783 H04N5/85 H04N5/907 H04N9/804 (Advanced/Non-invention); H04N5/76 H04N5/91 H04N5/913 H04N7/167 (Core/Invention); H04N9/804 (Core/Non-invention)

CPC: G11B2220/41 H04N21/4331 H04N9/8042 H04N5/445 H04N21/440236 H04N21/4753
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H04N21/4333 H04N21/4825 H04N21/8455 H04N21/8549 H04N5/913 H04N7/1675

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European: G11B27/031 G11B27/034 G11B27/036 G11B27/10A1 G11B27/34 H04M1/65D H04N21/417 H04N21/41P H04N21/426 H04N21/431L
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US: 348/734 348/734P 348/E05.006 348/E05.006 348/E05.097 348/E05.097 348/E05.105 348/E05.107 348/E05.108 348/E07.056 348/E07.061
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379/671 379/67.100P 380/201 380/216 386/111 386/200 386/214 386/214P 386/230 386/230P 386/230S 386/234 386/234S 386/236/235S
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725/67S 725/90 725/90P 725/92 725/92S 725/94 725/94S G9B/027.012 G9B/027.019 G9B/027.051 G9B/27.01 G9B/27.012 G9B/27.012S
G9B/27.019 G9B/27.019S G9B/27.051 G9B/27.051S



Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: DIRECTV GROUP INC

Assignee(s): (std): DAVIS ROBERT ; DIRECTTV GROUP INC ; DIRECTV GROUP INC ; FICCO MICHAEL ; HUGHES ELECTRONICS CORP ; YAP ADRIAN ; YAP ANDRIAN

Assignee(s): CASAVANT SCOTT ; JOSEPH KURIACOSE ; KEPLEY WALTER R ; GASKE PAUL ; GASKE PAUL T

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Inventor(s): SCOTT CASAVANT ; ADRIAN YAP ; ADRIAM YAP ; MICHAEL FICCO ; PAUL GASKE

Agent(s): THE DIRECTV GROUP INC; DIRECTV GROUP INC; GRUNEBACH GEORGANN S; GEORGANN S

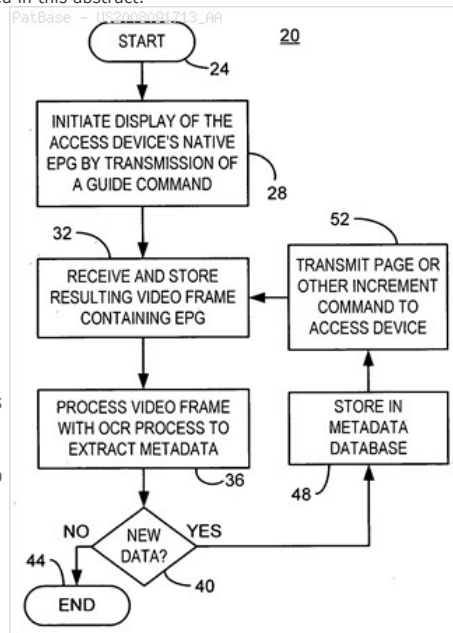
Designated states: AT BE BR CH CY DE DK ES FI FR GB GR IE IT LI LU MC MX NL PT SE TR

Title: CAPTURE OF TELEVISION METADATA VIA OCR

Abstract: Source: US2008091713A A method of obtaining metadata associated with television programming consistent with certain embodiments, wherein the method is carried out in a control device that does not have direct access to the metadata involves instructing an access device to generate and communicate a signal to the control device suitable for driving a display, wherein the signal contains a visual representation of a video frame of the metadata when displayed on a display; receiving the signal and storing a representation of the video frame; processing the video frame using optical character recognition (OCR) to extract the metadata from the video frame; storing the extracted metadata in a metadata database; and systematically repeating the instructing, receiving, processing and storing to sequence through a plurality of fields of video containing the metadata to access and store at least a subset of the metadata to the metadata database. This abstract is not to be considered limiting, since other embodiments may deviate from the features described in this abstract.

Classifications:

International (IPC 8-9): G06F13/00 G06F17/00 G06F17/30 G06F17/40 G06F3/00 G06F7/00 G06F9/44 G06F9/72 G06K9/20 G06K9/34 G06K9/46 H04N5/44 H04N5/445 H04N5/46 H04N5/77 H04N5/91 H04N5/92 H04N7/00 H04N7/12 H04N7/16 H04N7/173 H04N9/80 (Advanced/Invention); G06F13/00 G06F17/30 G06F7/00 G06K7/10 (Advanced/Non-invention); G06F17/30 G06F3/00 G06F7/00 H04N5/44 H04N5/445 (Core/Invention)
CPC: H04N7/163 H04N21/4355 H04N21/44008 H04N21/440236 H04N21/44222 H04N21/8146 H04N21/8358 H04N21/84 H04N21/23892 H04N21/435 H04N21/47 H04N21/4821 H04N2005/4412 H04N21/431 H04N21/4351 H04N21/43615 H04N21/4722 H04N21/8133 H04N21/42661 H04N5/44543 G06K9/2054 G06K9/3266 H04N21/4332 H04N21/4782 G06F17/30253 G06F17/30997 G06K9/325 H04N5/4403 H04N5/44582 H04N21/4622 H04N2005/4417 G06K2209/01
European: G06F17/30M1E G06F17/30Z6 G06K9/20R G06K9/32R2 G06K9/32R2B H04N21/2389B H04N21/435 H04N21/435R H04N21/4402M H04N21/442E2 H04N21/44D H04N21/462S H04N21/482 H04N21/482G H04N21/482S H04N21/81G H04N21/8358 H04N21/84 H04N5/445M H04N5/445R H04N5/44R H04N7/16E2 T04N21/47 T04N21/478 T04N5/445M3 T04N5/44R2F T04N5/44R2K2
US: 1/1 1/P 340/12.29 348/468 348/558 348/734 348/734P 348/734S 348/E5.096 348/E5.103 348/E5.105 348/E50.96S 348/E51.03S 348/E51.05S 348/E7.061 348/E70.61S 382/176 382/190 382/190S 382/229 382/321 386/241 386/241P 386/244 386/244P 386/248 386/248S 386/326 386/329 386/343 386/95 386/E5.009 386/E50.09S 707/103R 707/3 707/5 707/707 707/755 707/770 707/999.005 707/999.005S 707/999.103 707/999.103S 707/E17.002 707/E17.002S 707/E17.022 707/E17.022S 707/E17.143 707/E17.143S 715/201 715/204 715/210 715/716 715/716P 717/127 717/127P 725/109 725/109S 725/113 725/113P 725/131 725/37 725/38 725/38P 725/39 725/40 725/51 725/51P 725/52 725/52P 725/53

**Family:**

Publication number	Publication date	Application number	Application date
US2008091713 AA	20080417	US20070706919	20070214
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US2008098433 AA	20080424	US20070799245	20070501
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US8629942 BB	20140114	US20110297453	20111116

Priority:

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Probable Assignee: SONY ELECTRONICS INC**Assignee(s):** (std): CANDELORE BRANT L ; HARDACKER ROBERT L ; OZAWA TOSHIRO ; SONY CORP ; SONY ELECTRONICS INC**Inventor(s):** (std): CANDELORE BRANT L ; OZAWA TOSHIRO ; HARDACKER ROBERT L**Agent(s):** MILLER PATENT SERVICES; JERRY A

Title: Set-top preview program

Abstract: Source: US2002026637A Disclosed is a system for generating a graphics window that is capable of emulating enhanced video from a combined video and interactive content stream. The set-top emulator can randomly access the combined video and interactive content stream to provide an easy manner of randomly accessing portions of the combined video and interactive stream for quality control purposes. Random access allows selective viewing of the enhanced video which saves time. Additionally, the combined video and interactive content stream can be simultaneously viewed as it is being produced to allow immediate feedback to an interactive television producer.

Classifications:

International (IPC 8-9): G06F3/00 H04N17/00 H04N21/235 H04N21/435 H04N21/443 H04N21/462 H04N21/4782 H04N21/6377 H04N21/643 H04N21/658 H04N21/858 H04N5/00 H04N5/44 H04N5/445 H04N7/088 H04N7/16 H04N7/173 H04N7/24 H04N9/74 (Advanced/Invention);

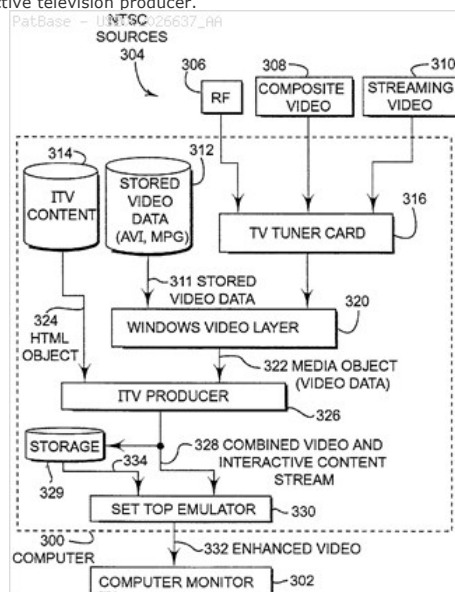
G01S1/00 H04N5/445 (Advanced/Non-invention)

International (IPC 1-7): G06F13/00 G06F3/00 G06F3/14 G06F9/04 G09G5/00 H04N5/00 H04N5/445 H04N7/00 H04N7/16 H04N7/173 H04N7/24

CPC: H04N21/4316 H04N5/4401 H04N7/088 H04N7/165 H04N7/17318 H04N17/004 H04N21/235 H04N21/25808 H04N21/435 H04N21/4622 H04N21/4782 H04N21/6377 H04N21/643 H04N21/658 H04N21/8166 H04N21/854 H04N21/8543 H04N21/8545 H04N21/8586 H04N21/2358 H04N21/858 H04N21/2355 H04N21/234309 H04N21/4381 H04N21/4437 H04N21/64322 H04N21/8146 H04N21/8193 G01S19/23 H04N21/2668 H04N21/42684 H04N21/6582 H04N21/443

European: H04N17/00N H04N21/2343F H04N21/235 H04N21/235R H04N21/235R2 H04N21/258C H04N21/2668 H04N21/426N H04N21/431L3 H04N21/435 H04N21/438D H04N21/443 H04N21/443V H04N21/462S H04N21/4782 H04N21/6377 H04N21/643 H04N21/643P H04N21/658 H04N21/658S H04N21/81G H04N21/81W H04N21/81W4 H04N21/854 H04N21/8543 H04N21/8545 H04N21/858 H04N21/858U H04N5/44N H04N7/088 H04N7/16E3 H04N7/173B2 S01S19/23 T04N21/462S

US: 345/704 345/717 345/719 345/738 345/81 345/810 348/587 348/592 348/E05.002 348/E05.006 348/E05.108 348/E07.031 348/E07.063 348/E07.071 348/E17.003 348/E17.003S 348/E5.002 348/E5.006 348/E5.108 348/E50.02 348/E50.02S 348/E50.06 348/E50.06S 348/E51.08 348/E51.08S 348/E7.031 348/E7.063 348/E7.071 348/E70.31 348/E70.31S 348/E70.63 348/E70.63S 348/E70.71 348/E70.71S 375/E07.016 375/E07.017 375/E07.024 375/E7.016 375/E7.017 375/E7.024 375/E70.16 375/E70.16S 375/E70.17 375/E70.17S 375/E70.24 375/E70.24S 709/219 715/201 715/205 715/234 715/236 715/277 715/500.1 715/513 715/704 715/704P 715/717 715/718 715/719 715/719P 715/721 715/723 715/738 715/738P 715/749 715/760 715/762 715/763 715/769 717/109 717/113 725/100 725/100P 725/105 725/109 725/109S 725/110 725/110S 725/112 725/113 725/113S 725/131 725/131S 725/134 725/134S 725/135 725/135P 725/141 725/37 725/37P 725/37S 725/39 725/39S 725/42 725/42P 725/59



Family:

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Priority:

US20000227062P	20000821	US20000227063P	20000821	US20000227930P	20000825
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WO2001US26370	20010821	US20010934354	20010820	US20010935492	20010823
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Probable Assignee: OPENTV INC

Assignee(s): (std): INTELLOCITY USA INC ; MARKEL STEVEN O ; ZENONI IAN

Assignee(s): ACTV INC ; BATEY PHILIP J ; INTELLOCITY U INC 1400 MARKET STREETDE NVSA ; OPENTV INC

Inventor(s): (std): BATEY PHILIP J ; IAN ZENONI ; MARKEL STEVEN O ; STEVEN O MARKEL ; ZENONI IAN

Agent(s): MORRISON AND FOERSTER LLP; MARC S; NIXON PEABODY LLP; SCHWEGMAN LUNDBERG AND WOESSNER PA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: DATA DELIVERY IN SET-TOP BOX

Abstract: Source: US2001030959A A method and apparatus for managing ATM formatted MPEG SI data in a television set-top box. A virtual channel indicator (VCI) is used to associate a segment of SI data with a virtual channel. An ATM processor receives a stream of ATM packets containing SI data from an out-of-band tuner. The ATM packets include the VCI in a header thereof. The ATM processor stores the SI data in a buffer memory associated with the VCI for retrieval by the ATM processor at the request of the STB system processor.

Classifications:

International (IPC 8-9): G06F13/00 G06F15/16 G06F17/00 G06F17/30 G06F3/00 G06F3/01 G06F3/048 G06F3/0484 G06F7/36 G06F9/445 G06Q50/00 G09G5/00 H03H7/46 H04H1/06 H04H20/80 H04L12/28 H04L12/56 H04L29/08 H04N21/234 H04N21/462 H04N21/854 H04N21/8541 H04N21/8545 H04N21/858 H04N5/00 H04N5/44 H04N5/445 H04N5/45 H04N5/50 H04N5/76 H04N7/10 H04N7/16 H04N7/173 H04N7/24 (Advanced/Invention); G06F13/00 G06F17/00 G06F3/00 G06F3/048 G09G5/00 H04L12/28 H04L12/56 H04N5/44 H04N5/445 H04N5/45 H04N5/765 H04N5/775 H04N5/781 H04N5/85 H04N7/16 (Advanced/Non-invention); G06F15/16 G06F3/00 G06F9/445 H03H7/00 H04L29/08 H04N7/10 H04N7/173 (Core/Invention); H04L12/28 H04L12/56 (Core/Non-invention); H04L (Subclass/Invention)

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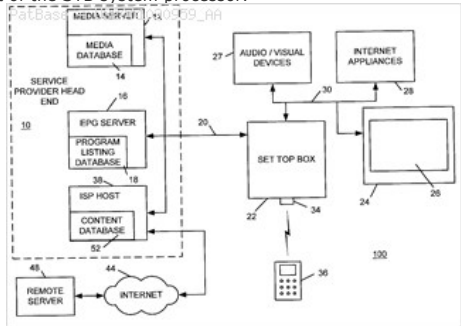
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Family:

Publication number	Publication date	Application number	Application date
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CN1529981 A	20040915	CN20028011885	20020328
EP1388035 A2	20040211	EP20020761989	20020328
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Priority:



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US20000190342P	20000316	US20000197310P	20000414	US20000197848P	20000414
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US20130888857	20130507				

Probable Assignee: SONY ELECTRONICS INC

Assignee(s): (std): KIMBLE DAVID ; OZAWA TOSHIRO ; NGUYEN NGA MARIE ; FITZPATRICK PATRICK ; IBM ; NGUYEN NGA M ; SONY CORP AND SONY ELECT INC ; SONY CORP ; SONY ELECTRONICS INC NGUYEN NG ; SONY ELECTRONICS INC

Assignee(s): SONY ELECTRONICS INC NGUYEN NGA MARIE ; SONY INC CORP ; SONY ELECTRONICS INC A DELAWARE CORP ; SONY INC A JAPANESE CORP ; KIMBLE DAVID MICHAEL ; SONY A JAPANESE CORP ; INA NORIHISA ; INT BUSINESS MACHINES CORP ; SONY AND SONY ELECTRONICS INC CORP ; SONY A JAPANESE 7 35 KITASHINAGAWA 6 CHOME SHINAGA ; SONY A JAPANESE 7 35 KITASHINAGAWA 6 CORP ; SONY 7 35 KITASHINAGAWA 6 CHOME SHINA CORP

Inventor(s): (std): EYER MARK ; FITZPATRICK PATRICK ; INA NORIHISA ; KIMBLE DAVID ; KIMBLE DAVID MICHAEL ; NGUYEN NGA MARIE ; OGAWA TOSHIRO ; OZAWA TOSHIRO ; NGUYEN NGA M ; NGA MARIE NGUYEN ; MARIE NGUYEN NGA

Inventor(s): NGUYEN NGA ; PATRICK FITZPATRICK ; TOSHIRO OGAWA ; TOSHIRO OZAWA ; MARK EYER ; DAVID MICHAEL KIMBLE

Agent(s): ROGITZ AND ASSOCIATES; MILLER PATENT SERVICES; MILLER JERRY A; JERRY A; JOHN L

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Abstract: Source: US2001032333A A method and system whereby conventional television advertisements (i.e., those delivered to viewers while they watch television programming) can be delivered in conjunction with and correlated with advertisements that are presented to viewers in the Interactive Program Guide (IPG). Moreover, the invention described herein provides for delivering highly targeted ads to viewers in both conventional programming avails and in the IPG, and for linking the targeted ads in these two media to provide for enhanced and highly effective advertising campaigns.

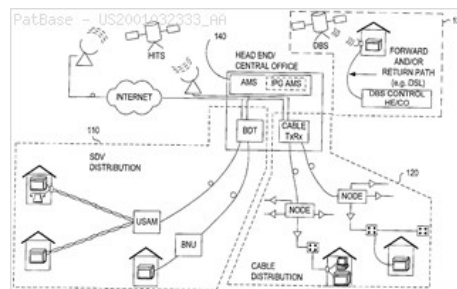
International (IPC 8-9): G06F13/00 G06F3/00 G06K9/36 G06Q30/00 G06Q30/02 G09F19/00 H04H20/10 H04H20/14 H04H20/33 H04H20/40 H04H60/07 H04H60/27 H04H60/32 H04H60/37 H04H60/46 H04H60/63 H04H60/65 H04H60/66 H04H60/72 H04H60/73 H04H60/82 H04H7/04 H04H9/00 H04N21/23 H04N21/231 H04N21/258 H04N21/433 H04N21/45 H04N21/454 H04N21/458 H04N21/466 H04N21/482 H04N21/81 H04N21/84 H04N21/858 H04N5/445 H04N5/76 H04N5/782 H04N7/025 H04N7/08 H04N7/081 H04N7/10 H04N7/16 H04N7/173 H04N7/24 H04N7/25 (Advanced/Invention); G06Q30/00 H04H20/40 H04H20/93 H04H60/27 H04H60/31 H04H60/37 H04H60/43 H04H60/45 H04H60/82 H04N7/08 H04N7/081 H04N7/173 (Advanced/Non-invention); G06Q30/00 H04H1/00 H04N5/445 H04N7/10 H04N7/16 H04N7/173 (Core/Invention); H04H1/00 (Core/Non-invention)

CPC: H04H60/65 G06Q30/0254 G06Q30/0258 G06Q30/0264 G06Q30/0272

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Priority:

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Probable Assignee: PRIME RESEARCH ALLIANCE E INC

Assignee(s): (std): BLASKO JOHN P ; ELDERING CHARLES A ; EXPANSE NETWORKS INC ; PRIME RES ALLIANCE E INC ; FLICKINGER GREGORY ; HAMILTON JEFFREY S ; FLICKINGER GREGORY C ; MEHLING KYLE ; TELECOM PARTNERS LTD ; SUTTON ANDREW M ; SCHLACK JOHN A ; SAMSUNG ELECTRONICS CO LTD

Assignee(s): PRIME RESEARCH ALLIANCE E INC A OF BRITISH VIRGIN ISLANDS CORP ; PRIME RESEARCH ALLIANCE E INC A OF BRITISH VIRGIN ; PRIME RESEARCH ALLIANCE E INC ; GILL KOMLIKA K ; SAMSUNG ELECTRONICS CO ; PRIME RESEARCH ALLIANCE E

Inventor(s): (std): MEHLING KYLE ; SUTTON ANDREW M ; SCHLACK JOHN A ; HAMILTON JEFFREY S ; HAMILTON JEFFREY ; GILL KOMLIKA K ; FLICKINGER GREGORY C ; FLICKINGER GREGORY ; ELDERING CHARLES A ; ELDERING CHARLES ; BLASKO JOHN P

Inventor(s): ANDREW M SUTTON ; CHARLES A ELDERING ; GREGORY C FLICKINGER ; SCHLACK JOHN ; KYLE MEHLING ; JOHN P BLASKO ; JOHN A SCHLACK ; JEFFREY S HAMILTON

Agent(s): WALASKI JAN FILIP ET AL; CHARLES A ELDERING TECHNOLOGY PATENTS AND LICENSING INC; TECHNOLOGY PATENTS AND LICENSING INC PRIME; TECHNOLOGY PATENTS AND LICENSING INC; CARLINEO SPICER AND KEE LLC; THE BELLES GROUP P C; BELLES GROUP PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: SYSTEM AND METHOD FOR INDEXING, SEARCHING, IDENTIFYING, AND EDITING PORTIONS OF ELECTRONIC MULTIMEDIA FILES

Abstract: Source: US2002069218A A method and system are provided for tagging, indexing, searching, retrieving, manipulating, and editing video images on a wide area network such as the Internet. A first set of methods is provided for enabling users to add bookmarks to multimedia files, such as movies, and audio files, such as music. The multimedia bookmark facilitates the searching of portions or segments of multimedia files, particularly when used in conjunction with a search engine. Additional methods are provided that reformat a video image for use on a variety of devices that have a wide range of resolutions by selecting some material (in the case of smaller resolutions) or more material (in the case of larger resolutions) from the same multimedia file. Still more methods are provided for interrogating images that contain textual information (in graphical form) so that the text may be copied to a tag or bookmark that can itself be indexed and searched to facilitate later retrieval via a search engine.

Classifications:

International (IPC 8-9): G06F15/00 G06F15/16 G06F15/173 G06F17/00 G06F17/21 G06F17/30 G06F3/00 G06K9/36 G11B27/034 G11B27/10 G11B27/28 H04J3/06 H04L7/00 H04N5/44 H04N5/445 H04N5/91 H04N5/93 H04N7/08 H04N7/18

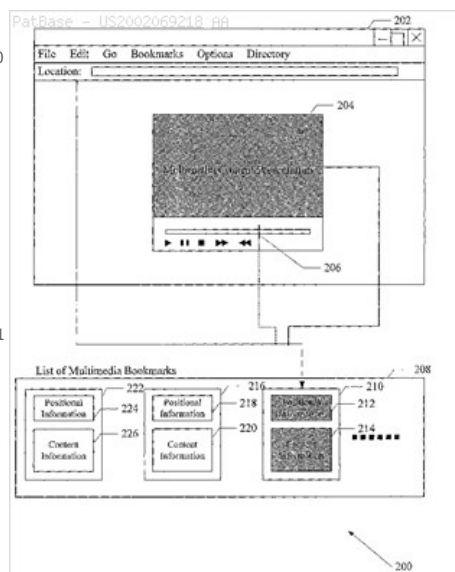
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H04N5/445 H04N5/91 H04N5/93 H04N7/08 (Core/Invention)

International (IPC 1-7): G06F13/00 G06F15/00 G06F15/16 G06F17/00 G06F17/30 G06F3/00 G06F7/00 G06K9/32 G06K9/36 G06K9/46 G09G5/00 H04B1/66 H04N11/00 H04N11/02 H04N11/04 H04N5/445 H04N5/91 H04N7/00 H04N7/025 H04N7/10 H04N7/12 H04N7/16 H04N7/173

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European: G06F17/30V G06F17/30V1R1 G06F17/30V1T G06F17/30V1V G06F17/30V1W G06F17/30V1X G06F17/30V2 G06F17/30V2M G06F17/30V4S G06F17/30V5C G06F17/30V5D G06F17/30V9 G06F17/30W5K G06T3/40X G11B27/034 G11B27/10A1 G11B27/28 G11B27/34 H04N21/4786 H04N21/4788 H04N21/488M H04N21/81G1 H04N21/845P S11B220/20 S11B220/41 S11B27/10A1 S11B27/28 S11B27/34 T04N21/472R T04N21/488S

US: 1/1 1/1P 345/716 348/461 348/461S 348/462 348/462S 348/468 348/468S 370/503 370/535 375/240 375/240.28 375/240.280S 375/354 375/E7.004 375/E70.04S 382/232 382/233 382/233P 382/248 382/248S 382/298 382/298S 707/100 707/104.1 707/3 707/501.1 707/769 707/769P 707/999.003 707/999.003S 707/999.1 707/999.100S 707/999.107 707/999.107S 707/E17.014 707/E17.014S 707/E17.028 707/E17.028S 707/E17.114 707/E17.114S 709/201 709/201S 709/203 709/203S 709/206 709/206S 709/219 709/219S 709/231 709/231P 709/238 709/238P 715/201 715/201S 715/202 715/202P 715/203 715/205 715/205S 715/234 715/234S 715/255 715/255S 715/500.1 715/523 715/530 715/716 715/716P 715/716S 715/719 715/719S 715/721 715/752 715/752P 715/838 715/838S 725/100 725/105 725/105S 725/109 725/109S 725/110 725/111 725/112 725/112P 725/112S 725/113 725/113S 725/131 725/135 725/135P 725/135S 725/151 725/32 725/32P 725/34 725/34S 725/35 725/35S 725/37 725/37P 725/39 725/45 725/45P 725/61 725/61S G9B/027.012 G9B/027.019 G9B/27.012 G9B/27.019 G9B/27.029 G9B/27.051 G9B/27.051S



Family:

Publication number	Publication date	Application number	Application date
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KR20070103728 A	20071024	KR20070098972	20071001
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Priority:

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Probable Assignee: VMARK INC

Assignee(s): (std): VIVCOM INC ; SULL SANGHOON ; OH JEONGTAEK ; LEE SANGWOOK ; SONG S MOON HO ; KIM JUNG RIM ; LEE KEANSUB ; OH SANGWOOK ; KIM YUNAM ; CHOI HYUNGSEOK ; CHUN SEONG S ; CHUN SEONG SOO ; CHUNG MIN G ; CHUNG MIN GYO ; KIM HYEOKMAN ; YOON JA CHEON ; VMARK INC

Assignee(s): KIM JUNG R ; SUH SUNGJOO ; KOREA UNIV RESEARCH AND BUSINESS FOUNDATION ; SONG S

Inventor(s): (std): CHOI HYUNGSEOK ; CHUN SEONG S ; CHUN SEONG SOO ; CHUNG MIN GYO ; KIM JUNG R ; KIM JUNG RIM ; KIM YUNAM ; LEE KEANSUB ; LEE SANG WOOK ; LEE SANGWOOK ; OH JEONGTAEK ; OH SANG WOOK ; OH SANGWOOK ; ROSTOKER MICHAEL D ; SONG S MOON HO ; SUH SUNGJOO ; SULL SANGHOON ; YOON JA CHEON ; SUNG YEON SEOK ; SULL SANG HOON ; SEONG YEON SEOK ; KIM HYEOK MAN ; CHUNG MIN G ; KIM HYEOKMAN

Inventor(s): KIM JUNG ; CHUN SEONG ; YUNAM KIM ; S MOON HO SONG ; SANG WOOK LEE ; SANGHOON SULL ; SANGWOOK OH ; SEONG SOO CHUN ; SONG S ; ROSTOKER MICHAEL ; MIN GYO CHUNG ; HYEOKMAN KIM ; HYUNGSEOK CHOI ; JA CHEON YOON ; JEONGTAEK OH ; JUNG RIM KIM ; KEANSUB LEE ; CHUNG MIN

Agent(s): DA STAUFFER PATENT SERVICES LLC; JONES DAY; PENCOSKE EDWARD L; EDWARD L

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: XML-BASED TEMPLATE LANGUAGE FOR DEVICES AND SERVICES

Abstract: Source: US2002029256A A universal plug and play (UPnP) device makes itself known through a set of processes-discovery, description, control, eventing, and presentation. Following discovery of a UPnP device, an entity can learn more about the device and its capabilities by retrieving the device's description. The description includes vendor-specific manufacturer information like the model name and number, serial number, manufacturer name, URLs to vendor-specific Web sites, etc. The description also includes a list of any embedded devices or services, as well as URLs for control, eventing, and presentation. The description is written by a vendor, and is usually based on a device template produced by a UPnP forum working committee. The template is derived from a template language that is used to define elements to describe the device and any services supported by the device. The template language is written using an XML-based syntax that organizes and structures the elements.

Classifications:

International (IPC 8-9): G06F13/00 G06F15/00 G06F15/16 G06F15/177 H04L12/28 H04L12/46 H04L12/56 H04L29/06 H04L29/08 H04L29/12 H04Q7/24 H04W4/00 (Advanced/Invention); G06F12/00 G06F17/00 H04L29/08 (Advanced/Non-invention); G06F15/00 G06F15/16 H04L12/28 H04L12/46 H04L12/56 H04L29/06 H04L29/08 H04L29/12 H04Q7/24 H04W4/00 (Core/Invention); G06F12/00 H04L29/08 (Core/Non-invention)

International (IPC 1-7): G06F13/00 G06F15/16 G06F15/173 G06F15/177 G06F9/44 H04L12/28 H04L12/56 H04L29/00 H04L29/06

CPC: H04L67/02 H04L67/025 H04L67/125 H04L67/14 H04L67/16 H04L69/329 H04L61/2023 H04L12/281 H04L12/282 H04L12/4633 H04L29/06 H04L29/0602 H04L29/12235 H04L29/1232 H04L29/12594 H04L47/2408 H04L61/2092 H04L61/3065 H04L2012/2849 H04L12/2803 H04L12/2805 H04L12/2818 H04L61/30 H04L2012/2841 H04L2012/285 H04L12/2809 H04L12/2856 H04L12/2898 H04L61/303 H04L12/2807

European: H04L12/28H H04L12/28H1 H04L12/28H2 H04L12/28H2A H04L12/28H2B H04L12/28H3A H04L12/28P1 H04L12/28P1D3 H04L12/46E H04L29/06 H04L29/08A7 H04L29/08N1 H04L29/08N11M H04L29/08N13 H04L29/08N15 H04L29/12A H04L29/12A3A2 H04L29/12A3I H04L29/12A5 H04L47/24A H04L61/20A2 H04L61/20I H04L61/30 H04L61/30T1 T04L12/28H T04L12/28H10A T04L12/28H11A T04L12/28H11B T04L12/28H3A T04L12/28H3B T04L29/06C T04L29/08A7 T04L29/08N1A T04L29/12A3 T04L29/12A5 T04L61/30S

US: 370/254 370/338 370/338P 370/401 370/401P 707/227 709/203 709/203P 709/208 709/217 709/218 709/218P 709/22 709/220 709/220P 709/220S 709/221 709/222 709/223 709/223P 709/223S 709/224 709/225 709/227 709/229 709/248 709/249 709/250 709/318 710/10 713/1 715/234 715/513 717/100 717/100P 719/318 719/318P 719/321 719/328

Family:

Publication number	Publication date	Application number	Application date
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Priority:

US19990139137P 19990611	US19990160235P 19991018	US19990432854 19991102
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Probable Assignee: ROVI TECHNOLOGIES CORP

Assignee(s): (std): CAI TING ; FORD PETER S ; GANDHI AMAR S ; GU YE ; KNIGHT HOLLY N ; LEACH PAUL J ; MICROSOFT CORP ; ZINTEL WILLIAM M ; PATHER SHYAMALAN ; SCHLIMMER JEFFREY C ; RUDE CHRISTOPHER M ; WEISMAN DANIEL R ; RYAN DONALD R

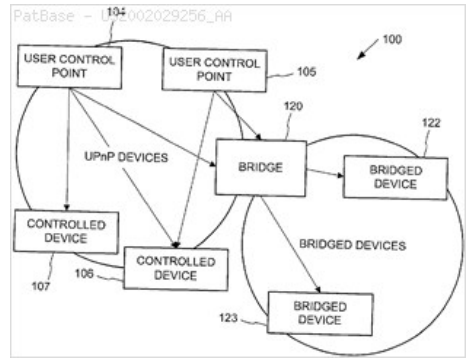
Assignee(s): ZINTEL WILLIAM MICHAEL ; MICROSOFT CORP REDMOND ; ROVI CORP ; ROVI TECHNOLOGIES CORP

Inventor(s): (std): CAI TING ; CHRISTIAN BRADFORD A ; CHRISTIAN BRIAN S ; FORD PETER S ; GANDHI AMAR S ; GOLAND YARON Y ; GU YE ; KNIGHT HOLLY ; KNIGHT HOLLY N ; LAYMAN ANDREW J ; LEACH PAUL J ; PATHER SHYAMALAN ; RUDE CHRISTOPHER M ; RYAN DONALD R ; SCHLIMMER JEFFREY C ; ZINTEL WILLIAM M ; ZINTEL WILLIAM MICHAEL ; LAYMAN J ; GANDHI S ; WEISMAN DANIEL R

Inventor(s): ZINTEL WILLIAM ; WEISMAN DANIEL ; SCHLIMMER JEFFREY ; RYAN DONALD ; RUDE CHRISTOPHER ; LEACH PAUL ; GOLAND YARON ; GANDHI AMAR ; FORD PETER ; CHRISTIAN BRIAN ; CHRISTIAN BRADFORD ; AMAR S GANDHI ; ANDREW J LAYMAN

Agent(s): KLARQUIST SPARKMAN LLP ; LEE AND HAYES PLLC ; KLARQUIST SPARTKAN LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

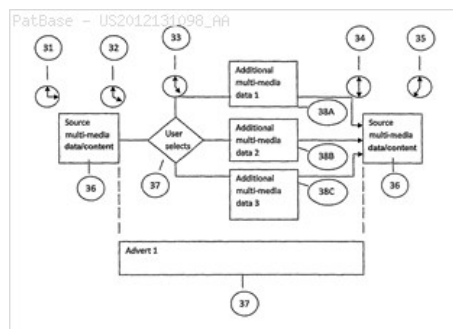


Abstract: Source: US2012131098A The present invention relates generally to an arrangement for delivering information to the user of a mobile device where the information presented to the user is associated with information that has a temporal or contextual or location based association with other information also presented to the user. In one example the mobile device is a device used to remotely control one or more controllable devices, such as a television, personal video recorder, and/or digital radio receiver, and additional multi-media information is made available to the user interface of the remote control to the user at the time the source information is being viewed/listened to or provided to the user regardless of when the source was generated or broadcast.

International (IPC 8-9): G06F15/16 G06F3/048 G06F3/0482 G06F3/0488 G06F3/147
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H04N21/858 H04N5/00 H04N5/44 H04N7/173 H04O9/00 (Advanced/Invention)

European: G06F3/0482 G06F3/0488 G06Q30/02 H04N21/235 H04N21/41P5
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US: 455/41.1 709/203 709/203P 709/224



Publication number	Publication date	Application number	Application date
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IL217682 A0	20120229	IL20120217682	20120122
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KR20120093154 A	20120822	KR20127004962	20100726
MX2012001042 A1	20120420	MX20120001042	20120124
RU2012106460 A	20130827	RU20120106460	20100726
SG10201404345W A1	20141030	SG20141004345	20100726
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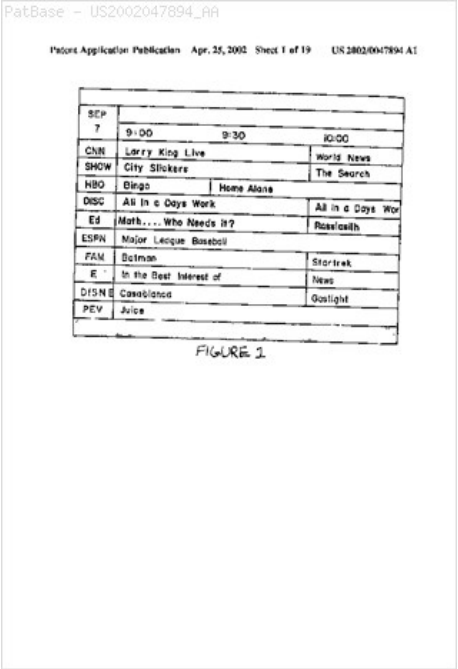
Agent(s): WALKER ROSS THOMSON; RICHARD C; RYAN N; FOX ROTHSCHILD LLP; MADDERN'S PATENT AND TRADE MARK ATTORNEYS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SYSTEM AND METHODS FOR SUBSCRIBERS TO VIEW, SELECT AND OTHERWISE CUSTOMIZE DELIVERY OF PROGRAMMING OVER A COMMUNICATION SYSTEM

Abstract: Source: US2002047894A The system according to this invention comprises a program source linked to event information, which is coupled via a broadcast programming communication system to a number of subscribers. Each of the subscribers to the broadcast communication system has a device for displaying programming and either coupled to the display device or built into the display device is one component thereof, a set top box by which the subscriber is able to perform a variety of functions to select and cause to be displayed a program of interest. Subscribers can select, view information able particular packages or events therein and purchase desired packages or events therein. The invention accomplishes these features by packaging associated PPV events into products that are contained within a single product wrapper. To view individual events, the system allows a subscriber to remotely cause the EPG system to enter a second viewing mode. In the second viewing mode, the subscriber can scroll from event wrapper to event wrapper, within the same product or between products. Furthermore, while in the product scrolling mode the subscriber may interactively purchase a multi-event PPV product by using command buttons on the remote control. In addition, if the subscriber only wants to purchase a single PPV event within the PPV product, he need only enter the second viewing mode, select the event wrapper of interest and purchase the single event. In this same manner the subscriber may obtain information about the product or the individual event.

Classifications:
International (IPC 8-9): G06F13/00 G06F3/00 H04K1/00 H04N13/00 H04N21/41 H04N21/431 H04N21/454 H04N21/472 H04N21/482 H04N21/858 H04N3/00 H04N5/00 H04N5/445 H04N5/93 H04N7/16 H04N7/173 H04N7/18 H04N9/80 (Advanced/Invention); H04K1/00 H04N5/445 H04N5/93 (Advanced/Non-invention); G06F13/00 G06F3/00 H04N5/445 H04N7/173 H04N7/18 (Core/Invention)
International (IPC 1-7): G06F3/00 H04N5/00 H04N5/44 H04N5/445 H04N544 H04N544/H04N7/025 H04N7/10 H04N7/16
CPC: H04N7/163 H04N7/165 H04N21/2543 H04N21/4532 H04N21/454 H04N21/4126 H04N21/4351 H04N21/43637 H04N21/4381 H04N21/443 H04N21/64322 H04N21/4104 H04N5/765 H04N5/775 H04N5/85 H04N7/17318 H04N21/235 H04N21/4131 H04N21/435 H04N21/436 H04N21/43632 H04N21/4622 H04N21/4782 H04N21/6543 H04N21/6547 H04N21/8126 H04N21/84 H04N2005/4425 H04N21/431 H04N5/44543 H04N21/47211 H04N21/482 H04N21/858
European: H04N21/235 H04N21/2543 H04N21/41P5 H04N21/41P6 H04N21/431 H04N21/435 H04N21/435B H04N21/436 H04N21/4363C H04N21/4363W H04N21/438D H04N21/443 H04N21/454 H04N21/45M3 H04N21/462S H04N21/472P H04N21/4782 H04N21/482 H04N21/643P H04N21/6543 H04N21/6547 H04N21/81D H04N21/84 H04N21/858 H04N5/445M H04N5/765 H04N7/16E2 H04N7/16E3 H04N7/173B2 T04N21/482 T04N5/44R2N T04N5/775 T04N5/85
US: 348/44 348/44P 348/E05.006 348/E07.061 348/E07.063 348/E5.006 348/E5.105 348/E51.05S 348/E7.061 348/E7.063 348/E7.071 348/E70.61 348/E70.61S 348/E70.63 348/E70.63S 348/E70.71S 375/E7.024 375/E70.24S 386/243 386/243P 386/E5.002 386/E50.02S 386/E9.011 386/E90.11S 725/111 725/111S 725/135 725/135S 725/136 725/136S 725/139 725/146 725/147 725/153 725/25 725/25P 725/28 725/28P 725/32 725/32P 725/37 725/39 725/39P 725/39S 725/40 725/40P 725/40S 725/44 725/44S 725/45 725/45P 725/45S 725/46 725/52 725/61 725/80 725/80P



Family:

Publication number	Publication date	Application number	Application date
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Priority:
US20000213058P 20000621 US20000214529P 20000627 US20000748905 20001227
US20000751702 20001229 US20000751809 20001229 US20000231180P 20000907
US20060601957 20061120 US20080122853 20080519 US20080327005 20081203
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US20110299388 20111118 US20130070491 20131102

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