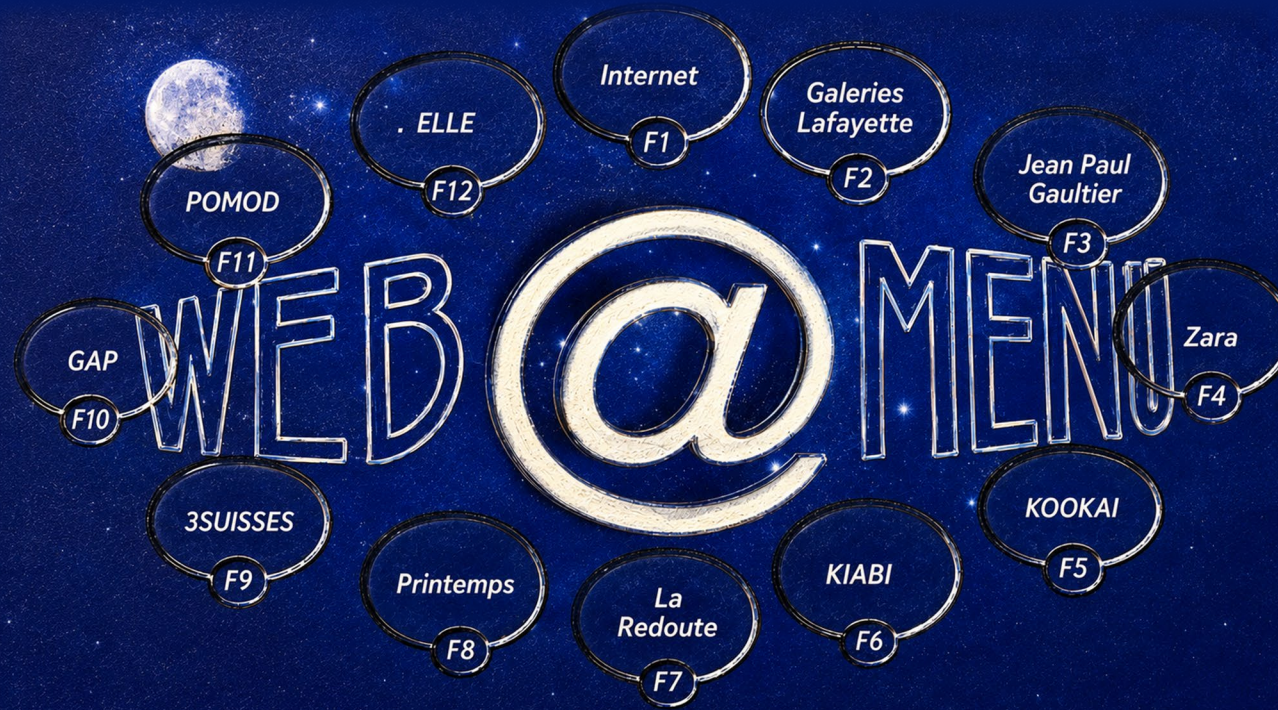




Patent Owner Ferid Allani's Demonstrative Exhibits

IPR2025-00857

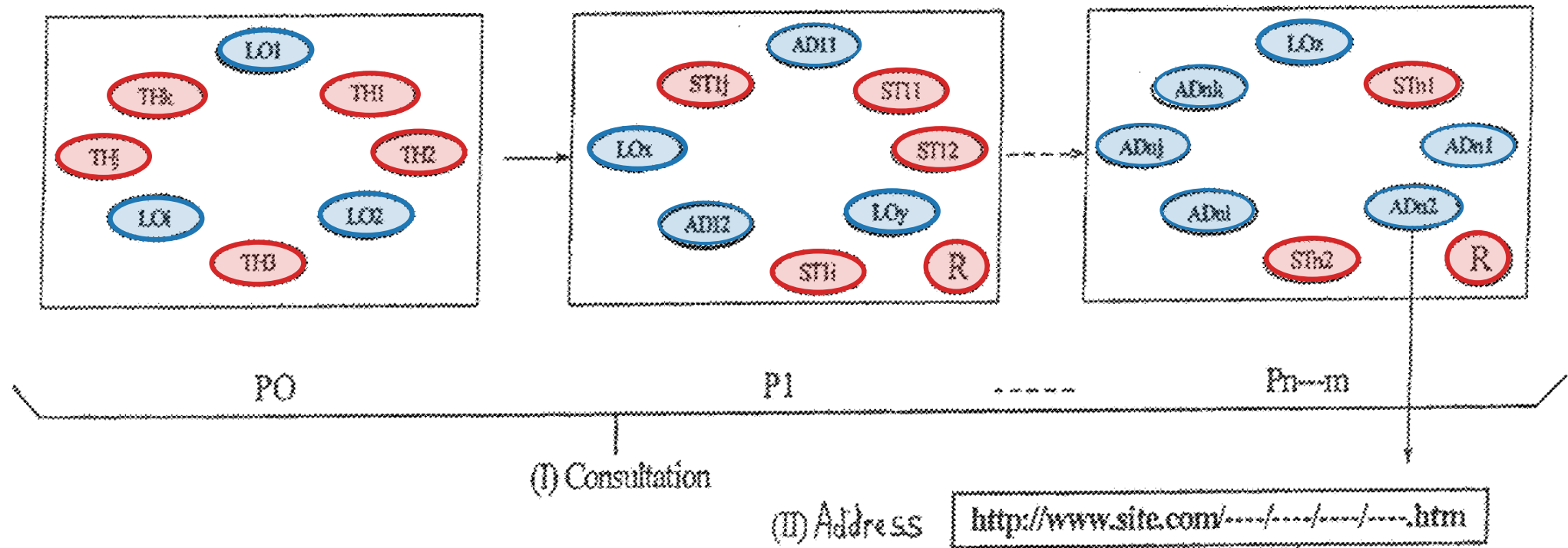
U.S. Patent No. 10,943,058

Patent Owner Demonstrative Exhibit - Not Evidence

AGENDA

- » Overview of '058 patent
- » Instituted Grounds
- » Institution Decision
- » Asserted Prior Art Does Not Disclose:
 - "Icons"
 - "Beforehand Locally Stored"
 - "Search Engine on the Web"
 - "Specifically Designed"

Overview Of '058 Patent



LO icons, AD icons

○ TH icons, ST icons, Return

Instituted Grounds

Ground	Claims Challenged	35 U.S.C. §	References
1	24-26	103(a)	Rossmann (Ex 1004), Himmel (Ex 1005)
2	1, 2, 4-6, 10-23, 27	103(a)	Rossmann, Himmel, King (Ex 1006)
3	1, 2, 4-6, 10-23, 25, 27	103(a)	Rossmann, Himmel, King, Adar (Ex 1007)
4	3, 7-9	103(a)	Rossmann, Himmel, King, Adar, Boyle (Ex 1008)

Institution Decision

Claims	Decision
1-20, 22, and 27	Petitioner has not demonstrated a reasonable likelihood of prevailing
21 and 23-26	Petitioner has demonstrated a reasonable likelihood of prevailing

Apple Fails To Show That The '058 Patent Is Invalid

Claims	Missing Limitations
1-27	Asserted prior art does not teach "icon"
1-20, 22, 27	Asserted prior art does not teach "beforehand locally stored"
1-23, 25, and 27	Asserted prior art does not teach accessing "a search engine on the web"
1-27	Asserted prior art does not teach "specifically designed"

'058 Patent – Claim 1

1[preamble] Apparatus for accessing information- or service-providing Web sites, comprising a communication device connectable through a communication network to the Internet, control and processing device or devices, data storage device or devices, and a display, said storage device or devices containing a plurality of selection pages within a tree menu structure, said selection pages being **beforehand locally stored** in said data storage device or devices and each being **specifically designed** for containing a set of **icons** including at least one of a direct access **icon** for directly accessing remote sources of information and a selection **icon** for locally accessing another selection page within said tree menu structure,

1[a] wherein said plurality of selection pages includes:

1[b] a first selection page, a second selection page and a third selection page, said first selection page being **specifically designed** for containing a selection **icon** for locally accessing said second selection page, said second selection page being **specifically designed** for containing a selection **icon** for locally accessing said third selection page, said third selection page being **specifically designed** for containing one or more direct access **icons** for directly accessing an information- or service providing Web site, and

1[c] at least one selection page being **specifically designed** for containing one or more **icons for directly accessing a search engine on the Web**,

1[d] wherein the control and processing device or devices are programmed for:

1[e] enabling a preliminary search locally performed within said communication device in different themes and sub-themes within said plurality of selection pages, and

1[f] emitting on the communication network, in response to selection of a direct access **icon** in a selection page being currently displayed, an address of an information- or service providing Web site corresponding to said selected direct access **icon**, said address being locally generated during the preliminary search and selection,

1[g] wherein the apparatus is implemented in a mobile phone.

'058 Patent – Claim 21

21[preamble] A communication device connectable to remote sources of information or services through a communication network, the communication device comprising a display, data storage, a processor, a controller and a plurality of pages locally stored in said data storage and displayable on said display,

21[a] wherein a first one of said locally stored pages is **specifically designed to include** at least one selection **icon** capable of being selectively activated to display a second one of said locally stored pages on said display,

21[b] wherein said second one of said locally stored pages is **specifically designed to include** at least one direct access **icon** capable of being selectively activated to connect said communication device to a predetermined one of said remote sources of information or services, and at least one second selection **icon** capable of being selectively activated to display a third one of said locally stored pages on said display,

21[c] wherein at least one of said first, second and third locally stored pages is further **specifically designed to include at least one icon for directly accessing a search engine for permitting a user to control searches on the Web,**

21[d] wherein at least one of said first, second and third locally stored pages is further **specifically designed to include** at least one **icon** for directly accessing a portal of Web site and one **icon** for directly accessing a document provided by said Web site, and

21[e] wherein the communication device is a mobile phone.

'058 Patent – Claim 24

24[preamble] A mobile communication device connectable to remote sources of information or services through a communication network, the communication device comprising a display, data storage, a processor, a controller and a plurality of pages locally stored in said data storage and displayable on said display,

24[a] wherein a first one of said locally stored pages is **specifically designed to include** at least one direct access **icon** capable of being selectively activated to connect said mobile communication device to a first predetermined one of said remote sources of information or services, and at least one selection **icon** capable of being selectively activated to display a second one of said locally stored pages on said display, wherein said second one of said locally stored pages is **specifically designed to include** at least one second direct access **icon** capable of being selectively activated to connect said mobile communication device to a second predetermined one of said remote sources of information or services, and at least one second selection **icon** capable of being selectively activated to display a third one of said locally stored pages on said display,

24[b] wherein said third one of said locally stored pages is **specifically designed to include** at least one third direct access **icon** capable of being selectively activated to connect said mobile communication device to a third predetermined one of said remote sources of information or services, or at least one third selection **icon** capable of being selectively activated to display a fourth one of said locally stored pages on said display,

24[c] wherein the mobile communication device is a mobile phone.

'058 Patent – Claim 27

27[preamble] A method for accessing information- or service providing Web sites, from a mobile communication device connected through a communication network and provided with a display, comprising:

27[a] a preliminary search for information or service, locally performed within said communication device in different themes and sub-themes within a plurality of successively displayed selection pages, said selection pages being organized in a tree menu structure and **beforehand locally stored** within said communication device, each said selection page being **specifically designed to include** a set of **icons**, said selection pages further comprising a first selection page, a second selection page and a third selection page, said first selection page being **specifically designed to include** a selection **icon** for locally accessing said second selection page, and said second selection page being **specifically designed to include** a selection **icon** for locally accessing said third selection page, said third selection page being **specifically designed to include** one or more direct access **icons** for directly accessing an information- or service providing Web site, and

27[b] emitting on the communication network, in response to a selection of a direct access **icon** in a selection page being currently displayed, an address of an information- or service-providing web site corresponding to said selected **icon**, said address being locally generated during said displaying and selection and for directly accessing said information- or service-providing Web site,

27[c] wherein: at least one of said selection pages further being **specifically designed to include** one or more **icons for directly accessing a search engine on the Web**,

27[d] and the mobile communication device is a mobile phone.

"Icon"

Claim Terms	Allani's Construction	Apple's Construction
"icon" All '058 patent claims	"a stylized graphical or symbolic representation — a pictogram, glyph, logotype, or simplified graphic element — as distinct from plain text."	Plain and ordinary meaning includes "textual icons"

'058 Patent



(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 210 days.

(65) **Prior Publication Data**
US 2015/0020005 A1 Jan. 15, 2015

Related U.S. Application Data

(60) Continuation of application No. 13/585,065, filed on Aug. 14, 2012, now abandoned, which is a division of application No. 10/169,355, filed as application No. PCT/FR00/03759 on Dec. 29, 2000, now Pat. No. 8,271,877.

(51) **Int. Cl.**
G06F 40/14 (2020.01)
G06F 16/951 (2019.01)
G06F 16/954 (2019.01)
G06F 16/95 (2019.01)
G06F 16/93 (2019.01)
G06F 3/0481 (2013.01)
G06F 3/0482 (2013.01)
G06F 3/0484 (2013.01)

(52) U.S. CL.
CPC *G06F 40/14* (2020.01); *G06F 3/0482*
(2013.01); *G06F 3/0484* (2013.01); *G06F*
3/04817 (2013.01); *G06F 16/93* (2019.01);
G06F 16/95 (2019.01); *G06F 16/951*
(2019.01); *G06F 16/954* (2019.01)

(10) **Patent No.:** US 10,943,058 B2
(45) **Date of Patent:** Mar. 9, 2021

(58) **Field of Classification Search**
CPC G06F 3/0483; G06F 3/04817; G06F
17/30873; G06F 17/30876; G06F
17/30994; G06F 17/3089; G06F
17/30893; G06F 17/30896; G06F
17/2247; G06F 16/954; G06F 16/95
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,801,702 A 9/1998 Dolan et al.
5,802,299 A * 9/1998 Logan G06F 17/30905
707/E17.121

(Continued)

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CA	2333055	12/1999
JP	0847019	6/1998

(Continued)

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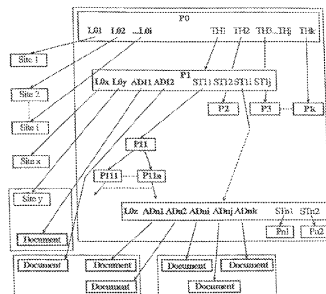
Yohei Yamada, Internet ASCII, ASCII Corporation, Japan, vol. 4, p. 132, Oct. 10, 1999.

(Continued)

Primary Examiner — Amy Ng
Assistant Examiner — Sajeda Muhebbullah
(74) Attorney, Agent, or Firm — Nixon & Vanderhye

(57) **ABSTRACT**
A communication device and method for selectively accessing remote sources of information and services on the Web through a communication network.

27 Claims, 2 Drawing Sheets



'058 Patent at 3:58-4:3

Icons Disclosed In The Specification Require A Graphic

'058 Patent



US010943058B2

(12) **United States Patent**
Allani

(10) **Patent No.:** US 10,943,058 B2
(45) **Date of Patent:** Mar. 9, 2021

(54) **METHOD AND DEVICE FOR ACCESSING SOURCES AND SERVICES ON THE WEB**

(71) Applicant: **Ferid Allani**, Luxembourg (LU)

(72) Inventor: **Ferid Allani**, Luxembourg (LU)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 210 days.

(21) Appl. No.: 14/480,701
(22) Filed: **Sep. 9, 2014**

(65) **Prior Publication Data**
US 2015/0020005 A1 Jan. 15, 2015

Related U.S. Application Data

(60) Continuation of application No. 13/585,065, filed on Aug. 14, 2012, now abandoned, which is a division of application No. 10/169,355, filed as application No. PCT/FR00/03759 on Dec. 29, 2000, now Pat. No. 8,271,877.

(51) **Int. Cl.**
G06F 40/14 (2020.01)
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G06F 16/954 (2019.01)
G06F 16/95 (2019.01)
G06F 16/93 (2019.01)
G06F 3/0481 (2013.01)
G06F 3/0482 (2013.01)
G06F 3/0484 (2013.01)

(52) **U.S. Cl.**
CPC *G06F 40/14* (2020.01); *G06F 3/0482* (2013.01); *G06F 3/0484* (2013.01); *G06F 3/04817* (2013.01); *G06F 16/93* (2019.01); *G06F 16/95* (2019.01); *G06F 16/951* (2019.01); *G06F 16/954* (2019.01)

(58) **Field of Classification Search**

CPC *G06F 3/0483*; *G06F 3/04817*; *G06F 17/30873*; *G06F 17/30876*; *G06F 17/30994*; *G06F 17/3089*; *G06F 17/30893*; *G06F 17/30896*; *G06F 17/2247*; *G06F 16/954*; *G06F 16/95*
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,801,702 A 9/1998 Dolan et al.
5,802,299 A * 9/1998 Logan *G06F 17/30905*
5,870,769 A 2/1999 Freund 707/E17.121
5,877,765 A 3/1999 Dickman et al.
5,905,492 A 5/1999 Straub et al.
(Continued)

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(Continued)

OTHER PUBLICATIONS

Yoshi Yamada, Internet ASCII, ASCII Corporation, Japan, vol. 4, p. 132, Oct. 10, 1999.

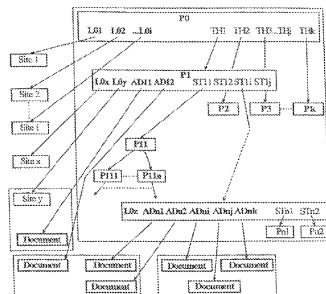
(Continued)

Primary Examiner — Amy Ng
Assistant Examiner — Sajeda Muhebbullah
(74) **Attorney, Agent, or Firm** — Nixon & Vanderhye

(57) **ABSTRACT**

A communication device and method for selectively accessing remote sources of information and services on the Web through a communication network.

27 Claims, 2 Drawing Sheets



If the user of the apparatus points on the icon of theme TH1, for example the SPORT theme, and clicks on this icon, a page Pi dedicated to the SPORT theme is then displayed. This page Pi contains for example:

an icon Lox for accessing a site dedicated to a plurality of sports and an icon Loy for accessing a site of a major soccer club,

an icon AD11 “calendar” for directly accessing a weekly calendar of sport events provided on the above-cited multi-sport site,

an icon AD12 “1st division games” for directly accessing to a document presenting the next matches of the 1st division of soccer and provided by the official site of the soccer federation,

icons ST11, ST12, . . . , ST1i, . . . , ST1j for selecting sub-categories or sub-themes, and

an icon “Return” permitting to come back to initial page Po.

Icons Disclosed In The Specification Require A Graphic

'058 Patent



US010943058B2

(12) **United States Patent**
Allani

(10) **Patent No.:** US 10,943,058 B2
(45) **Date of Patent:** Mar. 9, 2021

(54) **METHOD AND DEVICE FOR ACCESSING SOURCES AND SERVICES ON THE WEB**

(71) Applicant: **Ferid Allani**, Luxembourg (LU)

(72) Inventor: **Ferid Allani**, Luxembourg (LU)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 210 days.

(21) Appl. No.: 14/480,701

(22) Filed: Sep. 9, 2014

(65) **Prior Publication Data**
US 2015/0020005 A1 Jan. 15, 2015

Related U.S. Application Data

(60) Continuation of application No. 13/585,065, filed on Aug. 14, 2012, now abandoned, which is a division of application No. 10/169,355, filed as application No. PCT/FR00/03759 on Dec. 29, 2000, now Pat. No. 8,271,877.

(51) **Int. Cl.**

G06F 40/14 (2020.01)
G06F 16/951 (2019.01)
G06F 16/954 (2019.01)
G06F 16/95 (2019.01)
G06F 16/93 (2019.01)
G06F 3/0481 (2013.01)
G06F 3/0482 (2013.01)
G06F 3/0484 (2013.01)

(52) **U.S. Cl.**

G06F 40/14 (2020.01); *G06F 3/0482* (2013.01); *G06F 3/0484* (2013.01); *G06F 3/0481* (2013.01); *G06F 16/93* (2019.01); *G06F 16/95* (2019.01); *G06F 16/951* (2019.01); *G06F 16/954* (2019.01)

(58) **Field of Classification Search**

CPC *G06F 3/0483*; *G06F 3/04817*; *G06F 17/30873*; *G06F 17/30876*; *G06F 17/30994*; *G06F 17/3089*; *G06F 17/30893*; *G06F 17/30896*; *G06F 17/2247*; *G06F 16/954*; *G06F 16/95*
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,801,702 A 9/1998 Dolan et al.
5,802,299 A * 9/1998 Logan *G06F 17/30905*
5,870,769 A 2/1999 Freund 707/E17.121
5,877,765 A 3/1999 Dickman et al.
5,905,492 A 5/1999 Straub et al.
(Continued)

FOREIGN PATENT DOCUMENTS

CA 2333055 12/1999
JP 0847019 6/1998
(Continued)

OTHER PUBLICATIONS

Yoshei Yamada, Internet ASCII, ASCII Corporation, Japan, vol. 4, p. 132, Oct. 10, 1999.

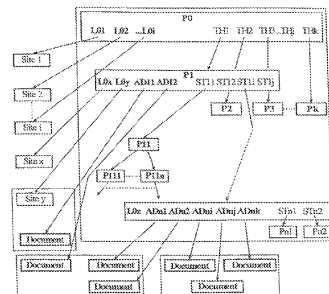
(Continued)

Primary Examiner — Amy Ng
Assistant Examiner — Sajeda Muhebbullah
(74) *Attorney, Agent, or Firm* — Nixon & Vanderhye

(57) **ABSTRACT**

A communication device and method for selectively accessing remote sources of information and services on the Web through a communication network.

27 Claims, 2 Drawing Sheets



the basket-ball championship. This page contains for example:

an icon LOz for accessing the official site of the basket-ball championship,

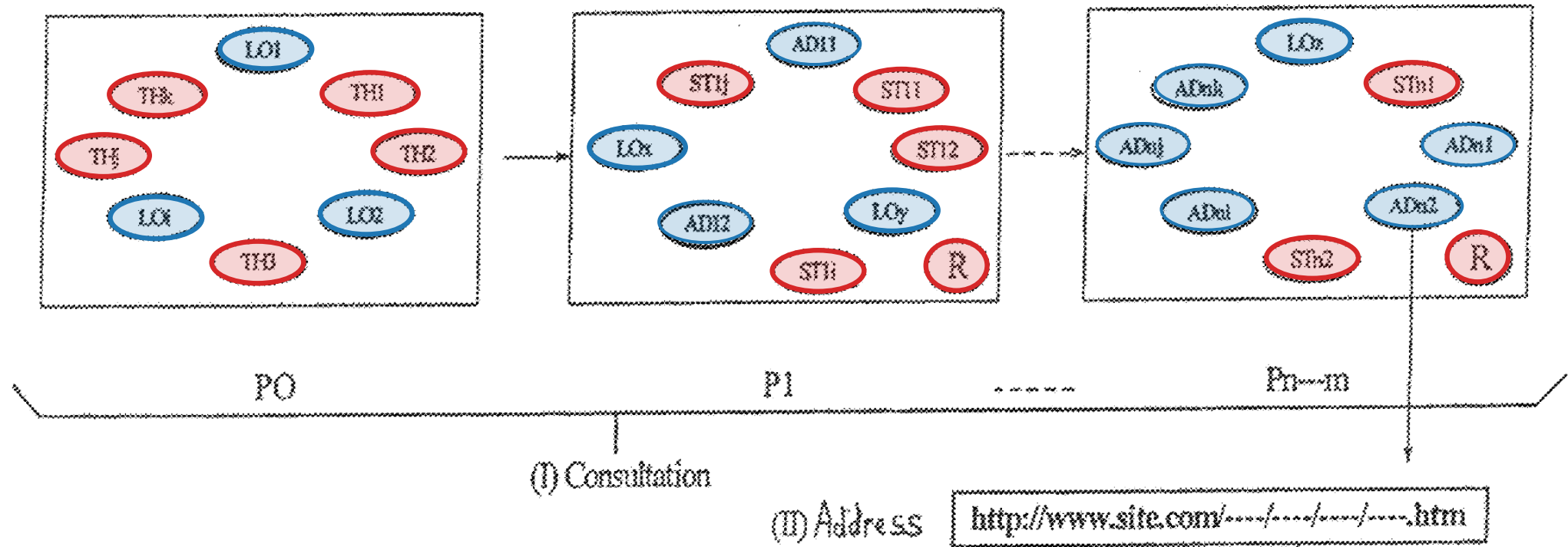
an icon ADn1 for directly accessing the site of a rival team,

an icon ADn2 for directly accessing the site of the Club of supporters for the searched team,

icons ADn1, ADnj, ADnk for directly accessing other information sources linked to the basket-ball championship, and

icons STn1, STn2 corresponding to sub-themes “Training” or “Transfers”.

'058 Patent – Figure 1



LO icons, AD icons

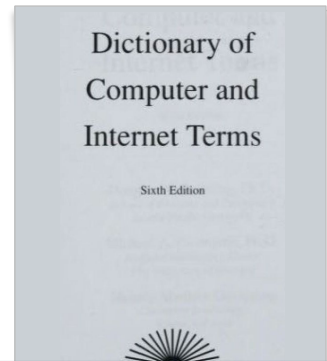
○ TH icons, ST icons, Return

'058 Patent



16

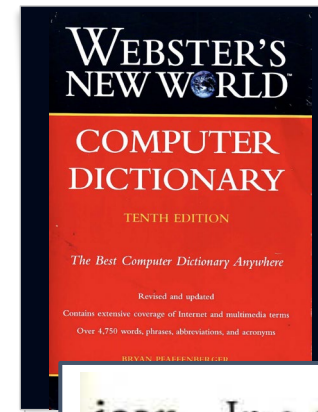
The Plain Meaning Of An "Icon" Requires A Graphic



icon a small picture on a computer screen that represents a particular object, operation, or group of files. Icons are used extensively in graphical user interfaces such as Microsoft Windows, the Macintosh, and the OS/2 Desktop.

On the Macintosh, the trash can icon stands for "delete." Use the mouse to move a file to the trash can, and it will be deleted. In Windows 95 and 98, the Recycle Bin serves the same function. See GRAPHICAL USER INTERFACE; MOUSE; WINDOW; WINDOWS (MICROSOFT).

Exhibit 2018 at 4



icon In a graphical user interface (GUI), an onscreen symbol that represents a program, data file, or some other computer entity or function. Several icons might appear together on an icon bar, an onscreen row of buttons usually placed just above the document window that enables the user to choose frequently accessed menu options without having to use the menus. On each button is an icon that shows the button's function. For example, the Print button might display a tiny picture of a printer.

Exhibit 2018 at 40

All Dictionaries Defines “Icon” To Require A Graphical Or Pictorial Element

Source	Year	Ex. 2018 Cite	Key Definitional Language	Graphical / Pictorial Requirement
Barron's Dictionary of Computer and Internet Terms (7th ed.)	2000	Page 004	"a small picture on a computer screen that represents a particular object, operation, or group of files"	"small picture"
The Dictionary of Computing & Digital Media: Terms & Acronyms	1999	Page 008	"Any graphic symbol that represents an object, function, or task"	"graphic symbol"
IEEE Standard Dictionary of Electrical and Electronics Terms (6th ed.)	1997	Page 014	"A symbol that is a pictorial indication of a command or object"	"pictorial indication"
IEEE Standard Dictionary of Electrical and Electronics Terms (7th ed.)	2000	Page 010	"A symbol that is a pictorial indication of a command or object"	"pictorial indication"
Microsoft Computer Dictionary (4th ed.)	1999	Page 019	"A small image displayed on the screen to represent an object that can be manipulated by the user"	"small image"
Newton's Telecom Dictionary (15th ed.)	1999	Page 030	"A picture or symbol representing an object, task, command or choice"	"picture or symbol"
Newton's Telecom Dictionary (21st ed.)	2005	Page 024	"A picture or symbol representing an object, task, command or choice"	"picture or symbol"
Random House Webster's Computer & Internet Dictionary (3rd ed.)	1999	Page 035	"A small picture that represents an object or program"	"small picture"
Webster's New World Computer Dictionary (10th ed.)	2003	Page 040	"[A]n onscreen symbol that represents a program, data file, or some other computer entity or function"	"onscreen symbol"

Apple's Own Dictionaries Show That Icons Require Graphics

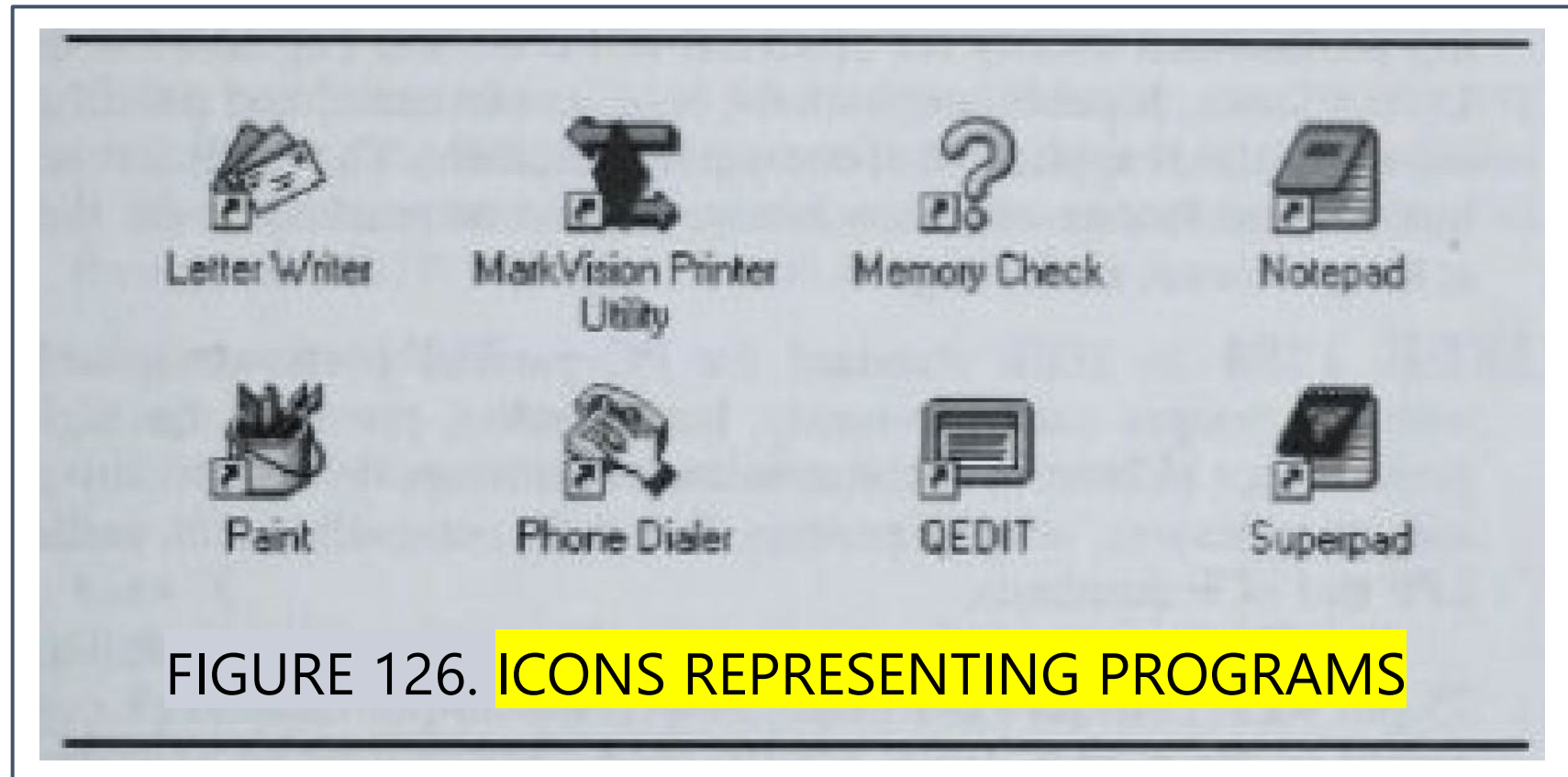
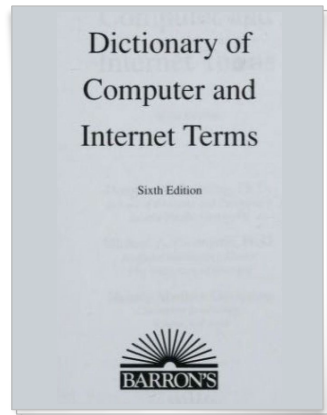


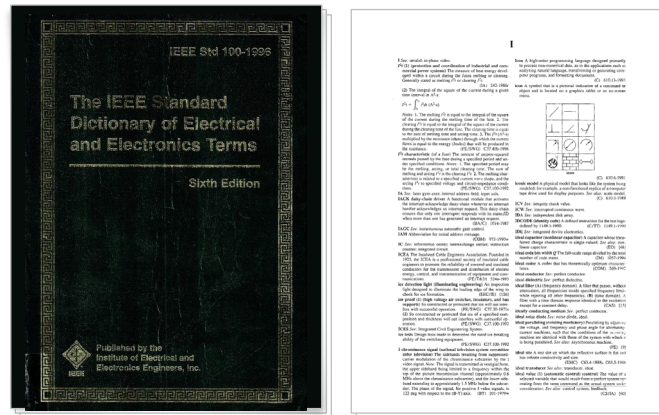
FIGURE 126. **ICONS REPRESENTING PROGRAMS**

Exhibit 2018 at 4

Apple's Constructions Of "Icon" Are Inconsistent

Claim Terms	Apple's WDTX Construction	Apple's PTAB Construction
"icon" All '058 patent claims	A symbol that is a pictorial indication of a command	Plain and ordinary meaning includes "textual icons"

Apple's Argued To The District Court That Icons Are Graphical



icon A symbol that is a pictorial indication of a command or object and is located on a graphics tablet or an on-screen menu.

Apple's Different Positions On "Icon" Violate Board Precedent

[Director_PTABDecision_Review@uspto.gov](#)
571.272.7822



Paper 20
Date: November 3, 2025

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE OFFICE OF THE UNDER SECRETARY OF COMMERCE
FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE
UNITED STATES PATENT AND TRADEMARK OFFICE

REVVO TECHNOLOGIES, INC.,
Petitioner,

v.

CEREBRUM SENSOR TECHNOLOGIES, INC.,
Patent Owner.

IPR2025-00632
Patent 11,835,421 B2

Before JOHN A. SQUIRES, *Under Secretary of Commerce for Intellectual
Property and Director of the United States Patent and Trademark Office.*

ORDER
Vacating the Decision Granting Institution, and
Remanding to the Board for Further Proceedings
after *Sua Sponte* Director Review

construction in a proceeding before the Board.” *Id.* Simply noting that the petitioner is adopting a patent owner’s claim construction proposals from district court, however, is not a sufficient reason for advancing different positions in the two forums.

Examiner's Unilateral Characterizations Do Not Create Disclaimer



[Salazar v. Procter & Gamble Co., 414 F.3d 1342, 1345 \(Fed. Cir. 2005\)](#)

This court has recognized that an Examiner's Statement of Reasons for Allowance "will not necessarily limit a claim." *ACCO Brands, Inc. v. Micro Sec. Devices, Inc.*, 346 F.3d 1075, 1079 (Fed. Cir. 2003).

Consequently, **an applicant's silence** regarding statements made by the examiner during prosecution, without more, **cannot amount to a "clear and unmistakable disavowal" of claim scope.**

See *3M Innovative Props.*, 350 F.3d at 1373-74 ("**Prosecution history ... cannot be used to limit the scope of a claim unless the applicant took a position before the PTO.**" *Schwing GmbH v. Putzmeister Aktiengesellschaft*, 305 F.3d 1318, 1324-25 (Fed. Cir. 2002) (emphasis added). An applicant's silence in response to an examiner's characterization of a claim does not reflect the applicant's clear and unmistakable acquiescence to that characterization if the claim is eventually allowed on grounds unrelated to the examiner's un rebutted characterization.")

Allani Differentiated Hypertext From Icons During Prosecution

Docket No. 0679-1001-2
Appln. No. 14/480,701

hypertext contents, and not by providing the user with a tree-menu of selection pages as claimed by the present invention.

Therefore, one skilled in the art of information access would not have found in Logan any teaching for designing within the Iki apparatus a plurality of selection pages containing icons and not hypertext or HTML documents.

Additionally, Cole teaches a typical client-server system wherein a catalog comprising categories and sub-categories is remotely built on the basis of selection requests addressed by a user (see Figure 2). This is an approach which is drastically opposite to the one recited in the present invention, since in said present invention the tree-menu structure of selection pages is provided as a whole to a user of the communication device and not the result of a profile building. Moreover, the teachings from Cole are not compatible with the Iki approach of a graphical user interface with multimedia identifiers which are linked to data on broadcast programs.

In conclusion, we consider that the combination of Iki, Logan and Cole is not relevant towards the non-obviousness of newly amended Claims 1, 25 and 28.

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IPR2025-00857
Apple EX1002 Page 523

Therefore, one skilled in the art of information access would not have found in Logan any teaching for designing within the Iki apparatus a plurality of selection pages containing icons and not hypertext or HTML documents.

Overview Of Rossman

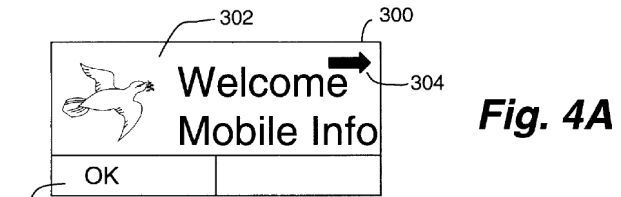


Fig. 4A

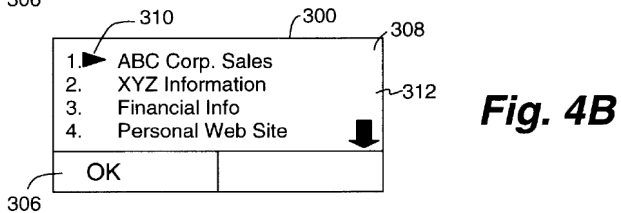


Fig. 4B

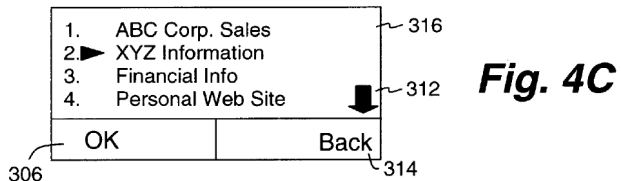


Fig. 4C

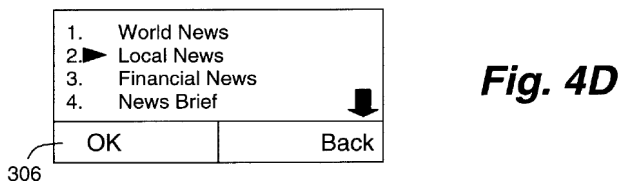


Fig. 4D

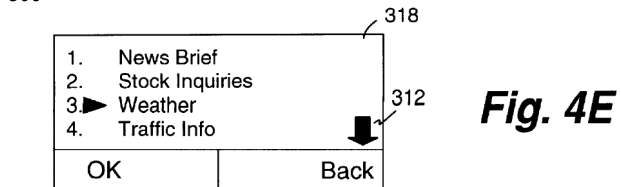


Fig. 4E

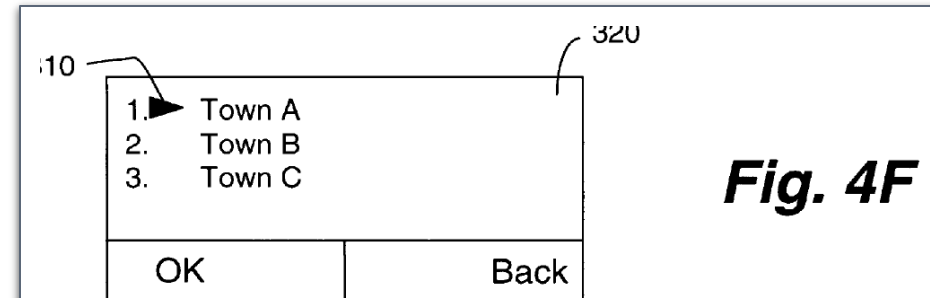


Fig. 4F

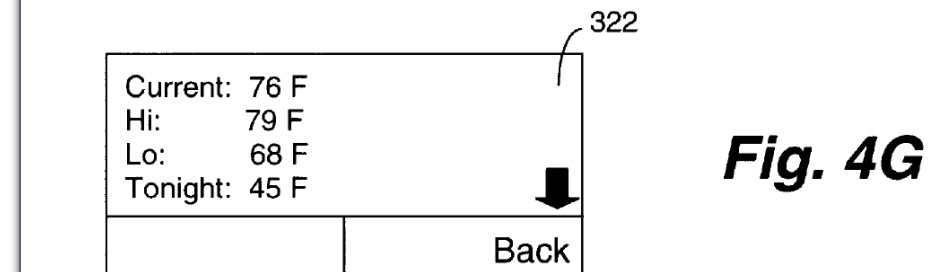


Fig. 4G

Rossman Figs. 4F-4G (Apple EX1004 page 6)

Rossman Figs. 4A-4E (Apple EX1004 page 5)

Rossman's Menu Items Are Not Icons

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

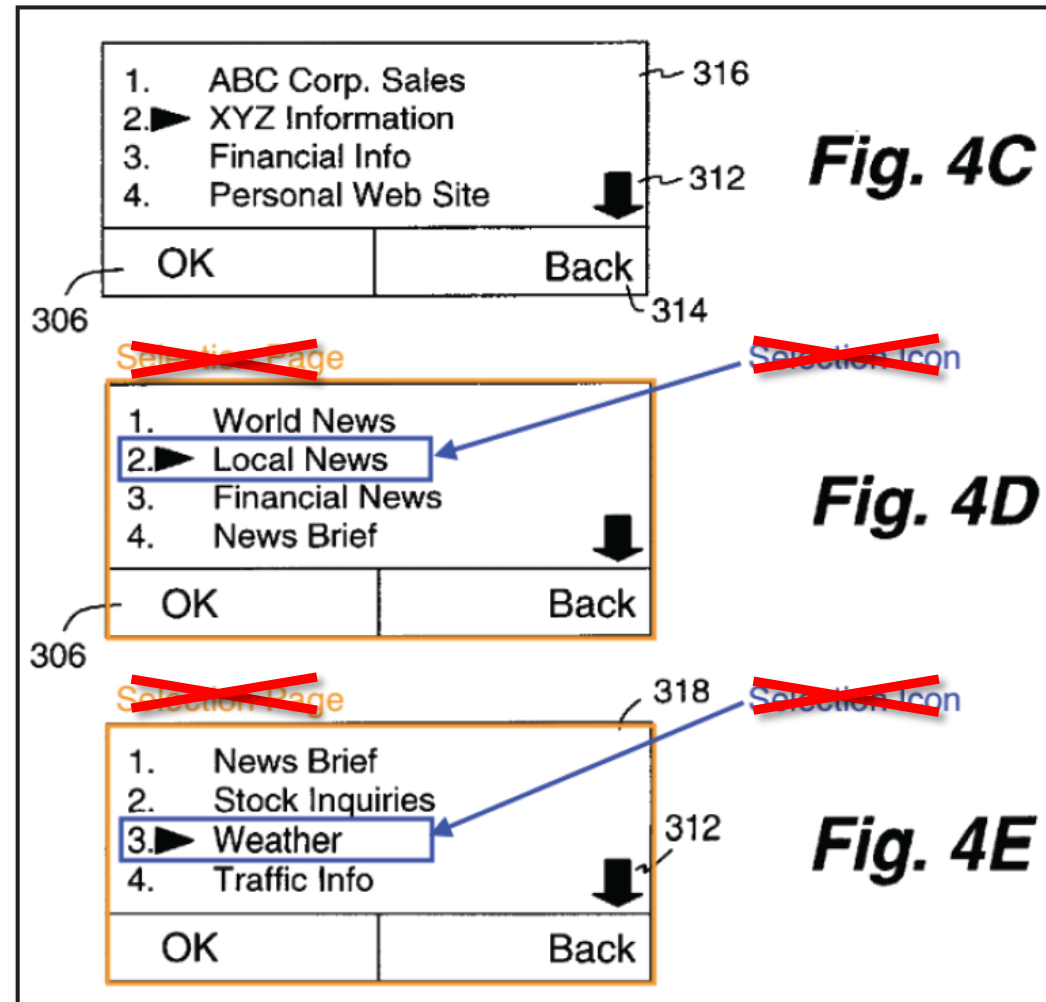
APPLE INC.,
Petitioner

v.

FERID ALLANI,
Patent Owner

Inter Partes Review Case No. IPR2025-00857
U.S. Patent No. 10,943,058

PETITION FOR *INTER PARTES* REVIEW OF
U.S. PATENT NO. 10,943,058



Rossman Calls Up And Down Arrow Icons

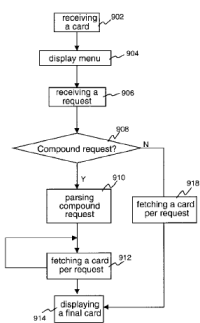
'155 Patent

United States Patent [19] **Patent Number:** **6,119,155**
Rossman et al. [45] **Date of Patent:** **Sep. 12, 2000**



US006119155A

- [54] **METHOD AND APPARATUS FOR ACCELERATING NAVIGATION OF HYPERTEXT PAGES USING COMPOUND REQUESTS**
- [75] Inventors: **Alain S. Rossman**, Palo Alto;
Andrew L. Laursen, San Mateo;
Bruce K. Martin, Jr., Palo Alto, all of Calif.
- [73] Assignee: **Phone.com, Inc.**, Redwood City, Calif.
- [21] Appl. No.: **09/025,961**
- [22] Filed: **Feb. 19, 1998**
- Related U.S. Application Data**
- [63] Continuation-in-part of application No. 08/570,210, Dec. 11, 1995, Pat. No. 5,809,415.
- [51] Int. Cl.⁷ **G06F 15/16**
- [52] U.S. Cl. **709/219, 709/203, 709/304**
- [58] **Field of Search** **379/93.12, 93.17, 379/93.24, 348/552, 709/200, 217, 219, 229, 245, 246, 203, 304, 707/500, 513**
- References Cited**
- U.S. PATENT DOCUMENTS**
- | | | | |
|-----------|--------|------------------|-----------|
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| 5,727,048 | 3/1998 | Hiroshima et al. | 379/93.12 |
| 5,727,159 | 3/1998 | Kikinis | 709/246 |
| 5,801,702 | 9/1998 | Dolan et al. | 709/200 X |
| 5,898,462 | 4/1999 | Harrison et al. | 348/552 |
| 5,923,736 | 7/1999 | Shachar | 379/93.17 |
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- Peter King et al., ed., Handheld Device Markup Language Specification, May 9, 1997, 35 pages, www.w3.org/TR/.
- "HDML Quick Reference", Allaire Corp., 8 pages, www2.allaire.com/documents/, Dec. 1997.
- "Introduction to HDML Structure and Syntax", Allaire Corp., 17 pages, www.home-sitenow.com/documents/, Dec. 1997.
- "HDTP Specification," *Unwired Planet, Inc.*, Version 1.1, Part No. HDTP-SPEC-DOC-101, Jul. 15, 1997, pp. 1-40.
- "HDML 2.0 Language Reference," *Unwired Planet, Inc.*, Version 2.0, Part No. HDMLREF-DOC-200, Revision D, Jul. 1997, pp. 1-56.
- Primary Examiner**—Zarni Maung
Assistant Examiner—Patrice Winkler
Attorney, Agent, or Firm—Dag Johansen; Stattler, Johansen & Adeli LLP
- ABSTRACT**
- Under the limited bandwidth of the current wireless data network and with the low memory in mobile devices in use today, the process of going through a number of intermediate pages to get to a desired page increases the latency of the information deliver and intensifies the network traffic. A method for accelerating the navigation of hypertext pages based on a compound request is disclosed. After a compound request is entered and activated, the compound request is parsed into an antecedent request followed by a final request wherein the antecedent request comprises a plurality of intermediate requests. All the intermediate requests are processed individually and sequentially as if they were entered individually and cards corresponding to the intermediate requests are fetched sequentially. A final card containing desired information by the final request is fetched based on the card corresponding to the last intermediate request and thereby displayed.
- 19 Claims, 10 Drawing Sheets**



300. In this embodiment, when the downward arrow key is pressed, each line of the display is rolled up one line. The resulting display has an icon with an upward arrow (not shown) if the menu requires only two screen displays. If the menu requires more than two screen displays, the second screen display of the menu would have two icons, one with the upward arrow and another with the downward arrow. To scroll between the various lines in the second menu, the user uses the downward arrow key, and the upward arrow key. If the user displays the last line of a card, e.g., the last line in the second menu, and presses the downward arrow key, nothing would happen because the downward arrow icon, another soft key, will not be present. In this embodiment, the user must make a choice before the next card is available.

Rossman Calls Up And Down Arrow Icons

'155 Patent

United States Patent [19] [11] Patent Number: **6,119,155**
Rossman et al. [45] Date of Patent: **Sep. 12, 2000**

- [54] **METHOD AND APPARATUS FOR ACCELERATING NAVIGATION OF HYPERTEXT PAGES USING COMPOUND REQUESTS**
- [75] Inventors: **Alain S. Rossman**, Palo Alto;
Andrew L. Laursen, San Mateo;
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- [51] Int. Cl.⁷ **G06F 15/16**
[52] U.S. Cl. **709/219; 709/203; 709/304**
[58] Field of Search **379/93.12, 93.17, 379/93.24; 348/552; 709/200, 217, 219, 229, 245, 246, 203, 304; 707/500, 513**

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5,898,462 4/1999 Harrison et al. 348/552
5,923,736 7/1999 Shachar 379/93.17

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Janet Perry, OnTheInternet: An International Publication of the Internet Society, On the Net, Through the Air, In your

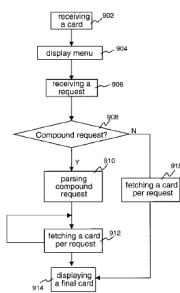
Hands: Cellular Technology and the Future of the Internet, 3 pages, Jul./Aug. 1997.
Peter King et al., ed., Handheld Device Markup Language Specification, May 9, 1997, 35 pages, www.w3.org/TR/.
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"Introduction to HDML: Structure and Syntax", Allaire Corp., 17 pages, www.home-sitenow.com/documents/, Dec. 1997.
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"HDML 2.0 Language Reference," *Unwired Planet, Inc.*, Version 2.0, Part No. HDML-REF-DOC-200, Revision D, Jul. 1997, pp. 1-56.

Primary Examiner—Zarni Maung
Assistant Examiner—Patrice Winder
Attorney, Agent, or Firm—Dag Johansen, Statler, Johansen & Adeli LLP

ABSTRACT

[57] Under the limited bandwidth of the current wireless data network and with the low memory in mobile devices in use today, the process of going through a number of intermediate pages to get to a desired page increases the latency of the information deliver and intensifies the network traffic. A method for accelerating the navigation of hypertext pages based on a compound request is disclosed. After a compound request is entered and activated, the compound request is parsed into an antecedent request followed by a final request wherein the antecedent request comprises a plurality of intermediate requests. All the intermediate requests are processed individually and sequentially as if they were entered individually and cards corresponding to the intermediate requests are fetched sequentially. A final card containing desired information by the final request is fetched based on the card corresponding to the last intermediate request and thereby displayed.

19 Claims, 10 Drawing Sheets



IPR2025-00857
Apple EX1004 Page 1

ICON

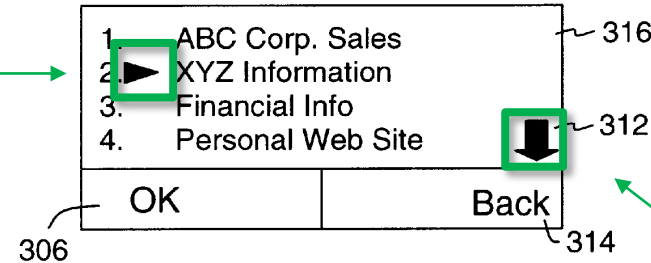


Fig. 4C

ICON

ICON



Fig. 4D

ICON

ICON

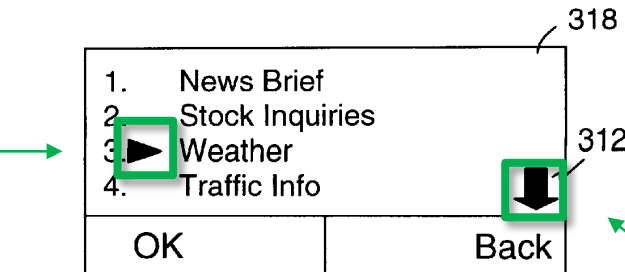


Fig. 4E

ICON

Rossman-Himmel Bookmarks Are Not Icons

UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD

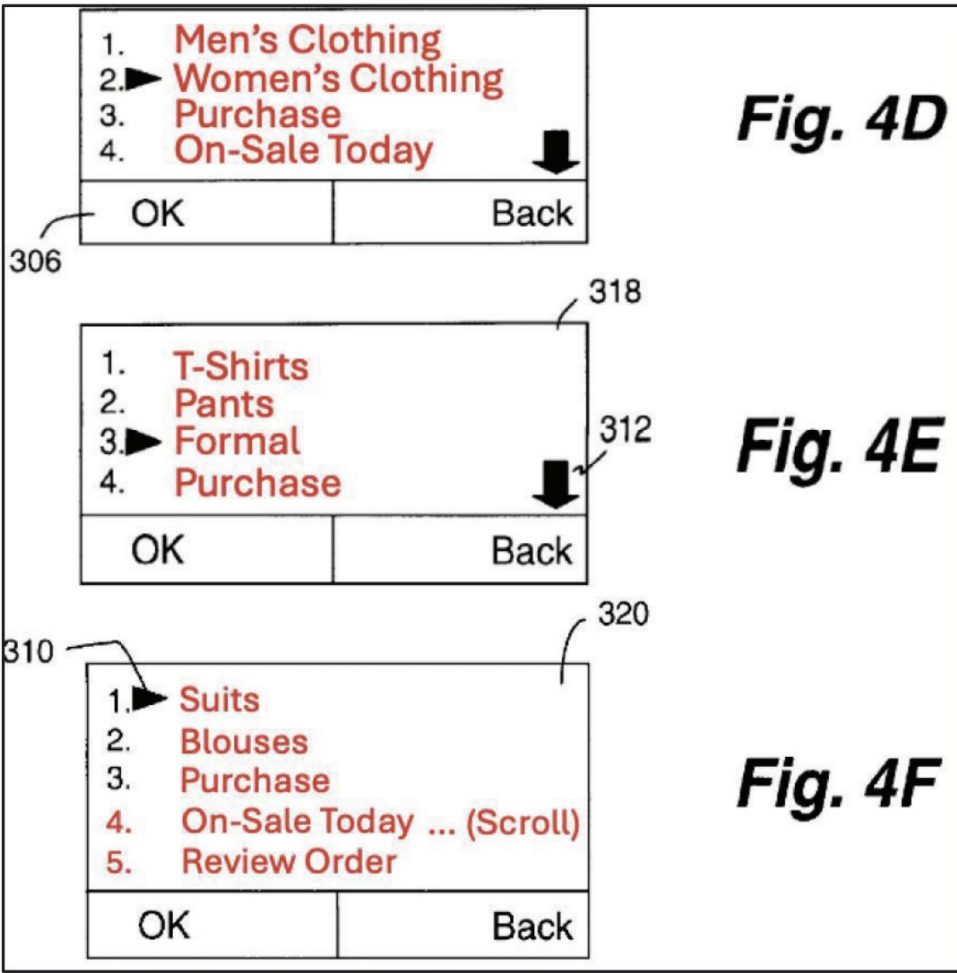
APPLE INC.,
Petitioner

v.

FERID ALLANI,
Patent Owner

Inter Partes Review Case No. IPR2025-00857
U.S. Patent No. 10,943,058

PETITION FOR *INTER PARTES* REVIEW OF
U.S. PATENT NO. 10,943,058



“beforehand locally stored”

Claim Terms	Board’s Construction	Apple’s Construction
“beforehand locally stored” ’058 patent claims 1-20, 22, 27	The claimed selection pages are pre-stored on the claimed communications device before the user conducts the preliminary search	No contest

The Board Adopted Allani's Construction

Trials@uspto.gov
571-272-7822

Paper 15
Date: November 4, 2025

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.,
Petitioner,

v.

FERID ALLANI,
Patent Owner.

IPR2025-00857
Patent 10,943,058 B2

Before JAMESON LEE, JEFFREY S. SMITH, and BRIAN P. MURPHY,
Administrative Patent Judges.

SMITH, *Administrative Patent Judge.*

DECISION
Granting Institution of *Inter Partes* Review
35 U.S.C. § 314

We agree with Patent Owner that the plain meaning of “beforehand locally stored” requires the claimed selection pages to be present on the local device before a user conducts a preliminary search. Even if we were to agree with Petitioner that a user could download and store selection pages to the local device, such downloading and storing must occur before the user locally performs a preliminary search in order for the selection pages to be “beforehand locally stored” within the scope of claims 1 and 27.

'058 Patent



(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 210 days.

(65) **Prior Publication Data**
US 2015/0020005 A1 Jan. 15, 2015

(60) Continuation of application No. 13/585,065, filed on Aug. 14, 2012, now abandoned, which is a division of application No. 10/169,355, filed as application No. PCT/FR00/03759 on Dec. 29, 2000, now Pat. No. 8,271,877.

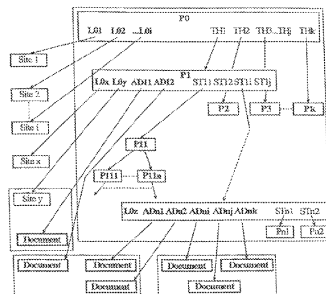
(2020.01)
(2019.01)
(2019.01)
(2019.01)
(2019.01)
(2013.01)
(2013.01)
(2013.01)

(Continued)

Primary Examiner — Amy Ng
Assistant Examiner — Sajeda Muhebbullah
(74) Attorney, Agent, or Firm — Nixon & Vanderhye

A communication device and method for selectively accessing remote sources of information and services on the Web through a communication network.

27 Claims, 2 Drawing Sheets



Thus, by locally implementing preliminary selection steps in pages organized in a tree manner and operating as rolling menus, and by finally emitting on Internet only a complete address for accessing a well-targeted information source, the mean time duration observed for accessing searched information is drastically reduced. Besides, this method provides

32

Rossman's HDML Decks Are Not Beforehand Locally Stored

'155 Patent

United States Patent [19] **Patent Number:** 6,119,155
Rossmann et al. [45] **Date of Patent:** Sep. 12, 2000

[54] **METHOD AND APPARATUS FOR ACCELERATING NAVIGATION OF HYPERTEXT PAGES USING COMPOUND REQUESTS**

[75] Inventors: **Alain S. Rossmann**, Palo Alto; **Andrew L. Laursen**, San Mateo; **Bruce K. Martin, Jr.**, Palo Alto, all of Calif.

[73] Assignee: **Phone.com, Inc.**, Redwood City, Calif.

[21] Appl. No.: **09/025,961**

[22] Filed: **Feb. 19, 1998**

Related U.S. Application Data

[63] Continuation-in-part of application No. 08/570,210, Dec. 11, 1995, Pat. No. 5,809,415.

[51] Int. Cl.⁷ **G06F 15/16**

[52] U.S. CL. **709/219; 709/202; 709/304**

[58] **Field of Search** **379/93.12, 93.17, 379/93.24; 348/552; 709/200, 217, 219, 229, 245, 246, 203, 304; 707/500, 513**

[56] **References Cited**

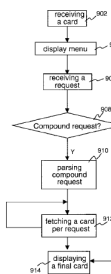
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5,727,159 3/1998 Kikinis 709/246
5,801,702 9/1998 Dolan et al. 709/200 X
5,808,462 4/1999 Harrison et al. 348/552
5,823,736 7/1999 Shocher 379/93.17

OTHER PUBLICATIONS

Janet Perry, *OnTheInternet: An International Publication of the Internet Society, On the Net, Through the Air, In your*

19 Claims, 10 Drawing Sheets



IPR2025-00857
Apple EX1004 Page 1

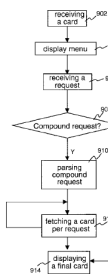
As shown in FIG. 4C, the user moves the arrow 310 downward to the second item. After a predetermined button is pressed, i.e. either the soft key OK or the numbered button “2” is pressed, the resource locator for the selection is transmitted to the server device 144 by the client module in mobile device 142 over the data capable mobile telephone network 140. In response to the selection, the server device 144 processes the request containing the selection, and in this embodiment, transmits another card deck to the mobile device 144. In FIG. 4C, the display screen 316 shows four menu items numbered consecutively. As described above,

Rossman's HDML Decks Are Not Beforehand Locally Stored

'155 Patent

	
US006119155A	
United States Patent [19]	[11] Patent Number: 6,119,155
Rossmann et al.	[45] Date of Patent: Sep. 12, 2000
[54] METHOD AND APPARATUS FOR ACCELERATING NAVIGATION OF HYPERTEXT PAGES USING COMPOUND REQUESTS [75] Inventors: Alain S. Rossmann, Palo Alto; Andrew L. Laursen, San Mateo; Bruce K. Martin, Jr., Palo Alto, all of Calif. [73] Assignee: Phone.com, Inc., Redwood City, Calif. [21] Appl. No.: 09/025,961 [22] Filed: Feb. 19, 1998 Related U.S. Application Data [63] Continuation-in-part of application No. 08/570,210, Dec. 11, 1995, Pat. No. 5,809,415. [51] Int. Cl.: G06F 15/16 [52] U.S. CL.: 709/219; 709/202; 709/304 [58] Field of Search: 379/93.12, 93.17, 379/93.24; 348/552; 709/200, 217, 219, 229, 245, 246, 203, 304; 707/500, 513 [56] References Cited U.S. PATENT DOCUMENTS 5,247,676 9/1993 Onu et al. 709/304 5,708,780 1/1998 Levergood et al. 709/229 5,727,048 3/1998 Hiroshima et al. 379/93.12 5,727,159 3/1998 Kikinis 709/246 5,801,702 9/1998 Dolan et al. 709/200 X 5,808,462 4/1999 Harrison et al. 348/552 5,823,736 7/1999 Shocher 379/93.17 OTHER PUBLICATIONS Janet Perry, OnTheInternet: An International Publication of the Internet Society, On the Net, Through the Air, In your	

19 Claims, 10 Drawing Sheets



IPR2025-00857
Apple EX1004 Page 1

When the second item is chosen, www.xyzinfo.com is equivalently chosen. The client module 146 in the mobile device 142 establishes a connection to the server that hosts the web site addressed by www.xyzinfo.com. The server sends a new deck to the phone 100. The client module in mobile device 142 interprets the first card in the received deck from the server device 144, which is a choice card, and generates a screen display 316, that includes a second menu in a screen display 316 indicated by the downward arrow 312 as illustrated in FIG. 4C. As described above, the newly received deck is preferably stored in the cache memory, thus the subsequent navigation takes place within the deck.

Apple's Declarant Admits That HDML Decks Are Not Beforehand Locally Stored

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.,
Petitioner,

v.

FERID ALLANI,
Patent Owner.

Inter Partes Review Case No. IPR2025-00857

U.S. Patent No. 10,943,058 B2

PATENT OWNER'S EXHIBIT 2021

Deposition Transcript of Dr. Ben Bederson
Taken July 17, 2026

Confidentiality designation withdrawn by agreement of the parties dated July
29, 2026

Allani EX2021

- Q.** But the other decks wouldn't have been retrieved if the user hadn't done a search. Right?
- A.** **Well, as I said, this user did not search for those other decks. It does appear in this disclosure, those other decks are sent as a result of the user searching for the first deck, but, as I said, they did not search for those other decks.**
- Q.** So if the user had taken no action, those other decks would not have been downloaded to the device?
- A.** **I think for this scenario, that might be right.**

Exhibit 2021 at 66:20-67:4

Apple's Declarant Admits That HDML Decks Are Not Beforehand Locally Stored

UNITED STATES PATENT AND TRADEMARK OFFICE
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PATENT OWNER'S EXHIBIT 2021

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Taken July 17, 2026

Confidentiality designation withdrawn by agreement of the parties dated July
29, 2026

Allani EX2021

Q. So just going back to paragraph 37 of Exhibit 11, when you say that Rossman teaches a, quote/unquote, "cache-case embodiment in which HDML decks comprising multiple cards are stored in the work memory/RAM of the mobile device," those HDML decks comprising multiple cards are stored after a user has performed some action to select or request those decks. Right?

A. While, at a high level, I think that's right, I think that misses the point of the way -- of Rossman's disclosure, which is that a user can perform an action. For example, requesting one deck. Rossman can respond by returning and letting the user download and cache that one deck as well as other decks that they did not ask for.

“search engine on the web”

Claim Terms	Allani’s Contention	Apple’s Contention
“search engine on the web” ’058 patent claims 1-23, 25, and 27	Plain and Ordinary Meaning – Standalone Web Search Service	Plain and Ordinary Meaning – Search Tool of Individual Web Page

"Search Engine" Refers To Standalone Web Search Services

'058 Patent



US010943058B2

(12) **United States Patent**
Allani
(10) **Patent No.:** US 10,943,058 B2
(45) **Date of Patent:** Mar. 9, 2021

(54) **METHOD AND DEVICE FOR ACCESSING SOURCES AND SERVICES ON THE WEB**

(71) Applicant: **Ferid Allani, Luxembourg (LU)**

(72) Inventor: **Ferid Allani, Luxembourg (LU)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 210 days.

(21) Appl. No.: 14/480,701

(22) Filed: **Sep. 9, 2014**

(65) **Prior Publication Data**
US 2015/0020005 A1 Jan. 15, 2015

Related U.S. Application Data

(60) Continuation of application No. 13/585,065, filed on Aug. 14, 2012, now abandoned, which is a division of application No. 10/169,355, filed as application No. PCT/FR00/03759 on Dec. 29, 2000, now Pat. No. 8,271,877.

(51) **Int. Cl.**

G06F 40/14 (2020.01)
G06F 16/951 (2019.01)
G06F 16/954 (2019.01)
G06F 16/95 (2019.01)
G06F 16/93 (2019.01)
G06F 3/0481 (2013.01)
G06F 3/0482 (2013.01)
G06F 3/0484 (2013.01)

(52) **U.S. Cl.**

G06F 40/14 (2020.01); **G06F 3/0482** (2013.01); **G06F 3/0484** (2013.01); **G06F 16/93** (2019.01); **G06F 16/95** (2019.01); **G06F 16/951** (2019.01); **G06F 16/954** (2019.01)

(58) **Field of Classification Search**

CPC G06F 3/0483; G06F 3/04817; G06F 17/30873; G06F 17/30876; G06F 17/30994; G06F 17/3089; G06F 17/30893; G06F 17/30896; G06F 17/2247; G06F 16/954; G06F 16/95
See application file for complete search history.

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Primary Examiner — Amy Ng

Assistant Examiner — Sajeda Muhebbullah

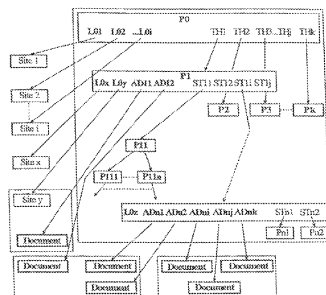
(74) **Attorney, Agent, or Firm** — Nixon & Vanderhye

(57)

ABSTRACT

A communication device and method for selectively accessing remote sources of information and services on the Web through a communication network.

27 Claims, 2 Drawing Sheets



Navigator™ have been widely diffused and nowadays equip every personal computer and workstation connected to Internet. These navigation software permit access to sites providing with search engines like Yahoo!™ or Voila™ allowing to emit requests in natural language and to receive in return a plurality of sites classified by decreasing relevance order. Furthermore, “portal” sites are presently developing,

It has to be noted that the different consulted pages can advantageously include icons for accessing one or more search engines for permitting the user to take again as he likes the control of his searches on the Web.

The Claims Require An Independently Addressable Resource

'058 Patent



US010943058B2

(12) **United States Patent**
Allani

(10) **Patent No.:** US 10,943,058 B2
(45) **Date of Patent:** Mar. 9, 2021

(54) **METHOD AND DEVICE FOR ACCESSING SOURCES AND SERVICES ON THE WEB**

(71) Applicant: **Ferid Allani**, Luxembourg (LU)

(72) Inventor: **Ferid Allani**, Luxembourg (LU)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 210 days.

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G06F 40/14 (2020.01)
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G06F 16/954 (2019.01)
G06F 16/95 (2019.01)
G06F 16/93 (2019.01)
G06F 3/0481 (2013.01)
G06F 3/0482 (2013.01)
G06F 3/0484 (2013.01)

(52) **U.S. Cl.**
CPC *G06F 40/14* (2020.01); *G06F 3/0482* (2013.01); *G06F 3/0484* (2013.01); *G06F 3/0481* (2013.01); *G06F 16/93* (2019.01); *G06F 16/95* (2019.01); *G06F 16/951* (2019.01); *G06F 16/954* (2019.01)

(58) **Field of Classification Search**
CPC *G06F 3/0483*; *G06F 3/04817*; *G06F 17/30873*; *G06F 17/30876*; *G06F 17/30994*; *G06F 17/3089*; *G06F 17/30893*; *G06F 17/30896*; *G06F 17/2247*; *G06F 16/954*; *G06F 16/95*
See application file for complete search history.

(56)

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5,870,769 A 2/1999 Freund
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Yoshei Yamada, Internet ASCII, ASCII Corporation, Japan, vol. 4, p. 132, Oct. 10, 1999.

(Continued)

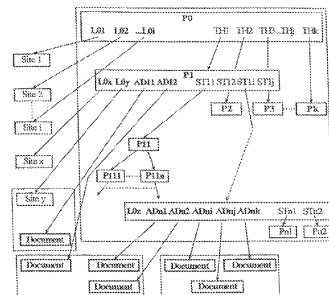
Primary Examiner — Amy Ng
Assistant Examiner — Sajeda Muhebbullah
(74) Attorney, Agent, or Firm — Nixon & Vanderhye

(57)

ABSTRACT

A communication device and method for selectively accessing remote sources of information and services on the Web through a communication network.

27 Claims, 2 Drawing Sheets



said structure of tree menu, said addresses of information sources corresponding to direct access icons being beforehand locally stored in a table or base of addresses or locally generated in the progress of the display and selection steps.

Thus, by locally implementing preliminary selection steps

a step for emitting on the communication network, in response to a selection of an icon in a page of selection currently displayed, the address of a source of information corresponding to said selected icon.

'058 Patent – Claim 1

1[preamble] Apparatus for accessing information- or service-providing Web sites, comprising a communication device connectable through a communication network to the Internet, control and processing device or devices, data storage device or devices, and a display, said storage device or devices containing a plurality of selection pages within a tree menu structure, said selection pages being beforehand locally stored in said data storage device or devices and each being specifically designed for containing a set of icons including at least one of a direct access icon for directly accessing remote sources of information and a selection icon for locally accessing another selection page within said tree menu structure,

1[a] wherein said plurality of selection pages includes:

1[b] a first selection page, a second selection page and a third selection page, said first selection page being specifically designed for containing a selection icon for locally accessing said second selection page, said second selection page being specifically designed for containing a selection icon for locally accessing said third selection page, said third selection page being specifically designed for containing one or more direct access icons for directly accessing an information- or service providing Web site, and

1[c] at least one selection page being specifically designed for containing **one or more icons for directly accessing a search engine on the Web**,

1[d] wherein the control and processing device or devices are programmed for:

1[e] enabling a preliminary search locally performed within said communication device in different themes and sub-themes within said plurality of selection pages, and

1[f] emitting on the communication network, in response to selection of a direct access icon in a selection page being currently displayed, an address of an information- or service providing Web site corresponding to said selected direct access icon, said address being locally generated during the preliminary search and selection,

1[g] wherein the apparatus is implemented in a mobile phone.

'058 Patent – Claim 21

21[preamble] A communication device connectable to remote sources of information or services through a communication network, the communication device comprising a display, data storage, a processor, a controller and a plurality of pages locally stored in said data storage and displayable on said display,

21[a] wherein a first one of said locally stored pages is specifically designed to include at least one selection icon capable of being selectively activated to display a second one of said locally stored pages on said display,

21[b] wherein said second one of said locally stored pages is specifically designed to include at least one direct access icon capable of being selectively activated to connect said communication device to a predetermined one of said remote sources of information or services, and at least one second selection icon capable of being selectively activated to display a third one of said locally stored pages on said display,

21[c] wherein at least one of said first, second and third locally stored pages is further **specifically designed to include at least one icon for directly accessing a search engine for permitting a user to control searches on the Web,**

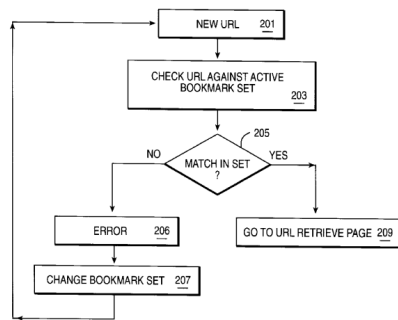
21[d] wherein at least one of said first, second and third locally stored pages is further specifically designed to include at least one icon for directly accessing a portal of Web site and one icon for directly accessing a document provided by said Web site, and

21[e] wherein the communication device is a mobile phone.

Himmel Does Not Teach “A Search Engine On The Web”

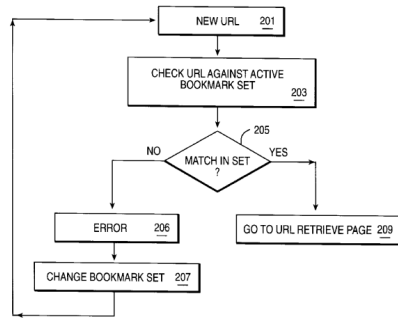
'934 Patent

	
US006037934A	
United States Patent [19]	[11] Patent Number: 6,037,934
Himmel et al.	[45] Date of Patent: Mar. 14, 2000
[54] NAMED BOOKMARK SETS [75] Inventors: Maria Azua Himmel; Herman Rodriguez, both of Austin, Tex. [73] Assignee: International Business Machines Corporation, Armonk, N.Y. [21] Appl. No.: 08/976,406 [22] Filed: Nov. 21, 1997 [51] Int. Cl.: G06F 3/00; G06F 15/16 [52] U.S. Cl.: 345/335; 345/357; 345/333; 345/356; 707/501; 709/203; 709/205; 709/217 [58] Field of Search: 345/329, 331, 353, 333, 356; 395/200, 35, 200, 33, 200, 47; 707/501 [56] References Cited U.S. PATENT DOCUMENTS 5,500,929 3/1996 Dickinson 345/356 5,615,346 3/1997 Gerken 345/341 5,625,781 4/1997 Cline et al. 395/355 5,706,507 1/1998 Schloss 707/104 5,742,768 4/1998 Genaro et al. 295/200, 33 5,781,189 5/1995 Holleran et al. 345/335 5,801,702 3/1995 Dolan et al. 345/357 5,864,676 11/1996 Beer et al. 395/200, 59 FOREIGN PATENT DOCUMENTS 2328300A 10/1998 United Kingdom G06F 17/30 OTHER PUBLICATIONS Gopher Bookmarks: How To Make Them and What They Can Do For you. http://www-lis.gscis.ucla.edu/Lab/unote25.html, Jun. 4, 1997. Netscape 2.0—Bookmark Information From Netscape. http://www.lib.utah.edu/navigator/netscape/bkml20/nsbkml20.html, Jun. 4, 1997. Rucker, J.: Polanco, J.J., ISSN 00010782, Sitesecr:personalized navigation for the Web (Journal Paper) Copyright 1997, IEEE. High Marks For SmartMarks A Review Article. (Journal Paper) ISSN 10875301, Copyright 1997, IEEE, Choinski, E.M. Primary Examiner—Raymond J. Bayerl Assistant Examiner—Cuong T. Thai Attorney, Agent, or Firm—Jeffrey S. LaBaw [57] ABSTRACT Access to the Internet is provided using a plurality of bookmark sets. A plurality of bookmark sets are stored in a computer system having a browser, each bookmark set including a respective set of Uniform Resource Locators (URLs). One of the bookmark sets is designated as an active bookmark set in the browser. Browser based access to the Internet is allowed according to the URLs in the active bookmark set. When a request to retrieve an Internet file from a designated URL is detected, e.g., by hyperlink, the designated URL is checked against the URLs in the active bookmark set. Only if there is a match between the designated URL and a respective URL in the active bookmark set is the request allowed to proceed. The creation of as well as other actions on a bookmark set is associated with one or more passwords. 25 Claims, 14 Drawing Sheets	



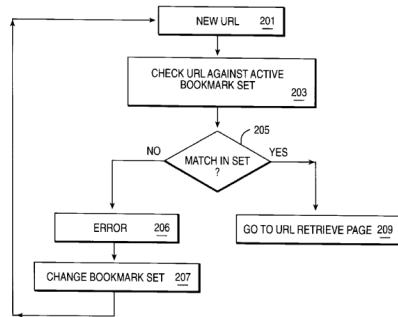
On many Web sites, an attempt has been made to provide a somewhat rudimentary common interface with features such as “search”, “contact-us”, etc. The dialog to access these features is found usually at the bottom or top of the Web page. However, the code to manage the dialog is embedded code in the web page. The problem is aggravated when common tasks such as “purchase”, “order” and others are implemented using custom dialogs. Each site decides to implement the custom dialog in unique and often obtuse fashions, bewildering the consumer with a plethora of different user interfaces.

'934 Patent



- Purchase
- On-Sale Today
- Review Order
- Review Shopping Cart
- Consumer Address

'934 Patent



'934 Patent at 20:63-21:2

Himmel's Bookmarks Do Not Include "A Search Engine On The Web"

'934 Patent



US006037934A

United States Patent [19]
Himmel et al.

[11] **Patent Number:** **6,037,934**
[45] **Date of Patent:** **Mar. 14, 2000**

[54] **NAMED BOOKMARK SETS**

[75] **Inventors:** Maria Azua Himmel; Herman Rodriguez, both of Austin, Tex.

[73] **Assignee:** International Business Machines Corporation, Armonk, N.Y.

[21] **Appl. No.:** 08/976,406

[22] **Filed:** Nov. 21, 1997

[51] **Int. Cl.:** G06F 3/00; G06F 15/16

[52] **U.S. Cl.:** 345/335; 345/357; 345/333; 345/356; 707/501; 709/203; 709/205; 709/217

[58] **Field of Search:** 345/329; 331; 353; 333; 356; 395/200.35; 200.33; 200.47; 707/501

[56] **References Cited**

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25 Claims, 14 Drawing Sheets

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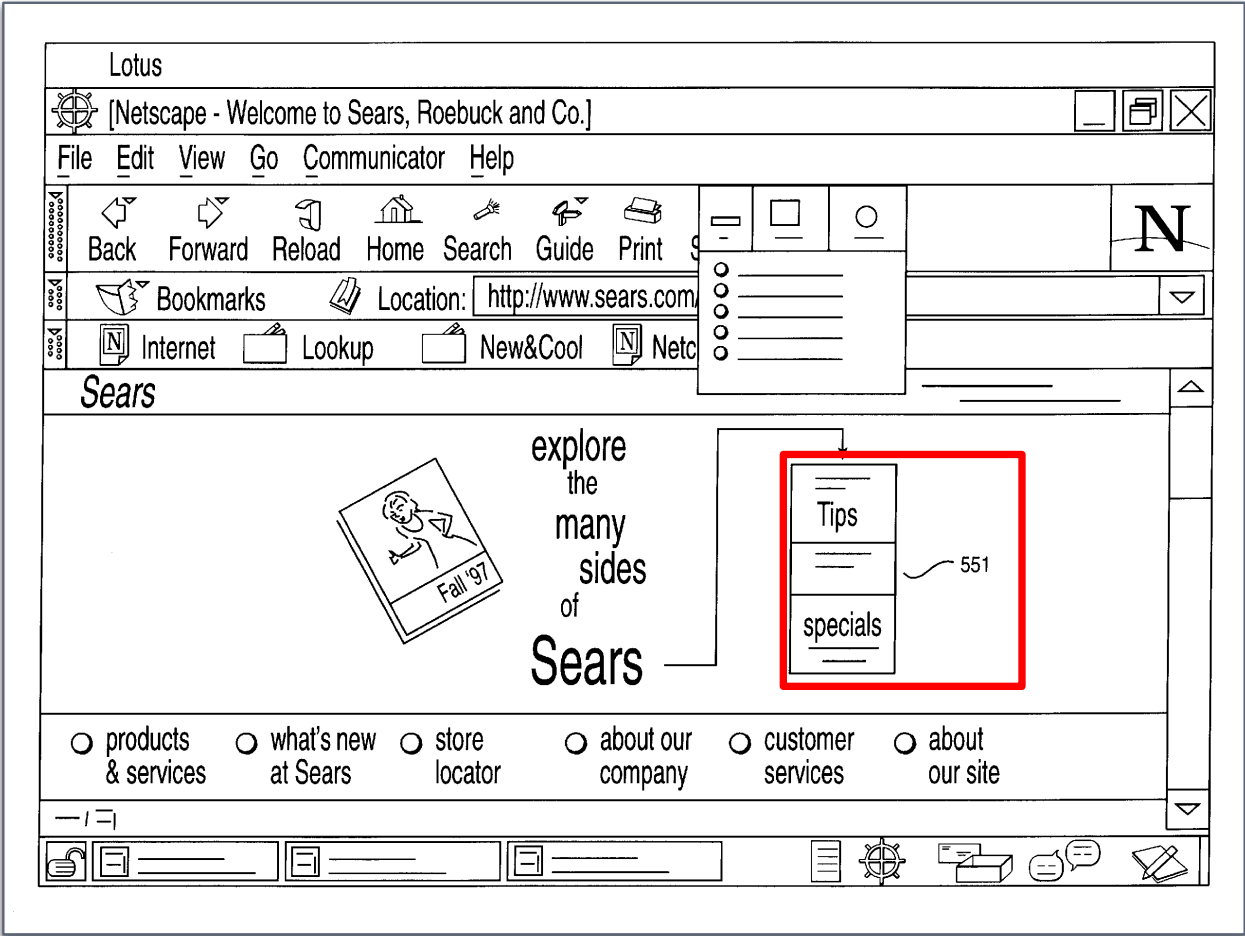
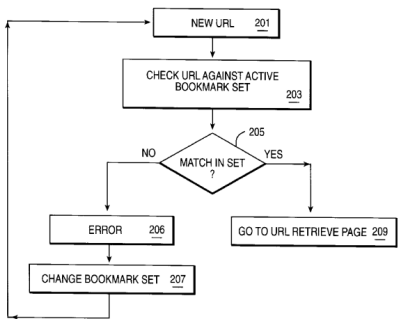
Rucker, J.: Polanco, J.J., ISSN 00010782, Sitesecr:personalized navigation for the Web (Journal Paper) Copyright 1997, IEEE.

High Marks For SmartMarks A Review Article. (Journal Paper) ISSN 10875301, Copyright 1997, IEEE, Choinski, E.M.

Primary Examiner—Raymond J. Bayerl
Assistant Examiner—Cuong T. Thai
Attorney, Agent, or Firm—Jeffrey S. LaBaw

[57] **ABSTRACT**

Access to the Internet is provided using a plurality of bookmark sets. A plurality of bookmark sets are stored in a computer system having a browser, each bookmark set including a respective set of Uniform Resource Locators (URLs). One of the bookmark sets is designated as an active bookmark set in the browser. Browser based access to the Internet is allowed according to the URLs in the active bookmark set. When a request to retrieve an Internet file from a designated URL is detected, e.g., by hyperlink, the designated URL is checked against the URLs in the active bookmark set. Only if there is a match between the designated URL and a respective URL in the active bookmark set is the request allowed to proceed. The creation of as well as other actions on a bookmark set is associated with one or more passwords.



'934 Patent at 18:66-19:9

“specifically designed”

Claim Terms	Allani’s Contention	Apple’s Contention
“specifically designed” '058 patent claims 1-27	Plain and Ordinary Meaning – used to include	Plain and Ordinary Meaning – capable of including

Apple's Contention Conflicts With The Intrinsic Record

'058 Patent



US010943058B2

(12) **United States Patent**
Allani

(10) **Patent No.:** US 10,943,058 B2
(45) **Date of Patent:** Mar. 9, 2021

(54) **METHOD AND DEVICE FOR ACCESSING
SOURCES AND SERVICES ON THE WEB**

(71) Applicant: **Ferid Allani**, Luxembourg (LU)

(72) Inventor: **Ferid Allani**, Luxembourg (LU)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 210 days.

(21) Appl. No.: 14/480,701
(22) Filed: **Sep. 9, 2014**

(65) **Prior Publication Data**
US 2015/0020005 A1 Jan. 15, 2015

Related U.S. Application Data
(60) Continuation of application No. 13/585,065, filed on Aug. 14, 2012, now abandoned, which is a division of application No. 10/169,355, filed as application No. PCT/FR00/03759 on Dec. 29, 2000, now Pat. No. 8,271,877.

(51) **Int. Cl.**
G06F 40/14 (2020.01)
G06F 16/951 (2019.01)
G06F 16/954 (2019.01)
G06F 16/95 (2019.01)
G06F 16/93 (2019.01)
G06F 3/0481 (2013.01)
G06F 3/0482 (2013.01)
G06F 3/0484 (2013.01)

(52) **U.S. CL.**
CPC *G06F 40/14* (2020.01); *G06F 3/0482* (2013.01); *G06F 3/0484* (2013.01); *G06F 3/04817* (2013.01); *G06F 16/93* (2019.01); *G06F 16/95* (2019.01); *G06F 16/951* (2019.01); *G06F 16/954* (2019.01)

(58) **Field of Classification Search**

CPC *G06F 3/0483*; *G06F 3/04817*; *G06F 17/30873*; *G06F 17/30876*; *G06F 17/30994*; *G06F 17/3089*; *G06F 17/30893*; *G06F 17/30896*; *G06F 17/2247*; *G06F 16/954*; *G06F 16/95*
See application file for complete search history.

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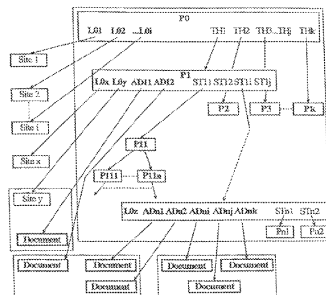
(Continued)

Primary Examiner — Amy Ng
Assistant Examiner — Sajeda Muhebbullah
(74) Attorney, Agent, or Firm — Nixon & Vanderhye

(57) **ABSTRACT**

A communication device and method for selectively accessing remote sources of information and services on the Web through a communication network.

27 Claims, 2 Drawing Sheets



The amendments to the claims narrow them to require

that the selection pages have been specifically designed for

containing the claimed set of icons, including selection icons

and direct-access icons.

EX1002 at 625

Logan has not been specifically designed and

constructed in the required manner, so it does not cure all

deficiencies of the primary reference Iki (which lacks any

tree menu structure). Logan describes only "remote web" pages

90,95 that are merely pages retrieved from Web browsing and

stored in a web computer 25. Iki as modified by Logan would

EX1002 at 626-627

Rossman's HDML Decks Depend On User Action

'155 Patent

United States Patent [19] Patent Number: 6,119,155
Rossmann et al. [45] Date of Patent: Sep. 12, 2000

[54] METHOD AND APPARATUS FOR ACCELERATING NAVIGATION OF HYPERTEXT PAGES USING COMPOUND REQUESTS

[75] Inventors: Alain S. Rossmann, Palo Alto; Andrew L. Laursen, San Mateo; Bruce K. Martin, Jr., Palo Alto, all of Calif.

[73] Assignee: Phone.com, Inc., Redwood City, Calif.

[21] Appl. No.: 09/025,961

[22] Filed: Feb. 19, 1998

Related U.S. Application Data

[63] Continuation-in-part of application No. 08/570,210, Dec. 11, 1995, Pat. No. 5,809,415.

[51] Int. Cl.⁷ G06F 15/16

[52] U.S. CL. 709/219; 709/202; 709/304

[58] Field of Search 379/93.24; 348/552; 709/200; 217, 219, 229, 245, 246, 203, 304; 707/500, 513

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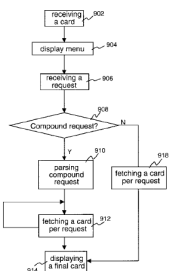
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19 Claims, 10 Drawing Sheets



IPR2025-00857
Apple EX1004 Page 1

of generic buttons in the extended phone keypad. To provide information service to mobile devices, the server device 144 stores a plurality of decks 154 containing accessible information. The server device 144 further generates HDML decks along with CGI program 158, in response to data from or choices made by the user of the mobile device 142.

Rossman's HDML Decks Depend On User Action

'155 Patent

US006119155A

United States Patent [19] **Patent Number:** **6,119,155**
Rossmann et al. [45] **Date of Patent:** **Sep. 12, 2000**

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[75] Inventors: **Alain S. Rossmann**, Palo Alto; **Andrew L. Laursen**, San Mateo; **Bruce K. Martin, Jr.**, Palo Alto, all of Calif.

[73] Assignee: **Phone.com, Inc.**, Redwood City, Calif.

[21] Appl. No.: **09/025,961**

[22] Filed: **Feb. 19, 1998**

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[51] Int. Cl.⁷ **G06F 15/16**

[52] U.S. CL. **709/219; 709/202; 709/304**

[58] **Field of Search** **379/93.24; 348/552; 709/200; 217, 219, 229, 245, 246, 203, 304; 707/500, 513**

[56] **References Cited**

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OTHER PUBLICATIONS

Janet Perry, *OnTheInternet: An International Publication of the Internet Society, On the Net, Through the Air, In your*

19 Claims, 10 Drawing Sheets

```
graph TD
    902[receiving a card] --> 904[display menu]
    904 --> 906[receiving a request]
    906 --> 908{Compound request?}
    908 -- N --> 910[fetching a card per request]
    908 -- Y --> 912[fetching a card per request]
    910 --> 914[displaying a final card]
    912 --> 914
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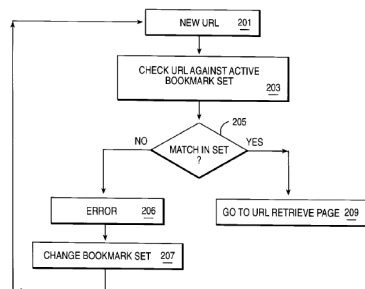
IPR2025-00857
Apple EX1004 Page 1

In this embodiment, choice and entry cards prevent the user from moving to the next card until the user has entered the requested information. When the user reaches the last card in a deck and hits a corresponding soft key, a request for a new deck is initiated. The deck requested is determined by either the deck that the user has completed, or by the choices made by the user. When the deck is completed, the choices and/or data entered by the user are typically transmitted along with the request to a server device for a new deck. When a deck containing multiple cards is received and

Himmel's Bookmarks Are Created By Users

'934 Patent

	
US0006037934A	
United States Patent [19]	Patent Number: 6,037,934
Himmel et al.	Date of Patent: Mar. 14, 2000
[54] NAMED BOOKMARK SETS	
[75] Inventors: Maria Azua Himmel, Herman Rodriguez, both of Austin, Tex.	
[73] Assignee: International Business Machines Corporation, Armonk, N.Y.	
[21] Appl. No.: 08/976,406	
[22] Filed: Nov. 21, 1997	
[51] Int. Cl.: G06F 3/00; G06F 15/16	
[52] U.S. Cl.: 345/333, 345/357, 345/333, 345/356, 707/501, 709/203, 709/205, 709/217	
[58] Field of Search: 345/357, 335, 345/329, 331, 353, 333, 356, 395/200, 35, 200.33, 200.47, 707/501	
[56] References Cited	
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5,500,929 3/1996 Dickinson 345/356	
5,615,346 3/1997 Gerken 345/341	
5,625,781 4/1997 Cline et al. 395/355	
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5,781,189 5/1995 Holleran et al. 345/335	
5,801,702 3/1995 Dulan et al. 345/357	
5,864,676 11/1996 Beer et al. 395/200.59	
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OTHER PUBLICATIONS	
Gopher Bookmarks: How To Make Them and What They Can Do For you. http://www-ls.gscis.ucla.edu/Lab/unote25.html , Jun. 4, 1997.	
[57] ABSTRACT	
Access to the Internet is provided using a plurality of bookmark sets. A plurality of bookmark sets are stored in a computer system having a browser, each bookmark set including a respective set of Uniform Resource Locators (URLs). One of the bookmark sets is designated as an active bookmark set in the browser. Browser based access to the Internet is allowed according to the URLs in the active bookmark set. When a request to retrieve an Internet file from a designated URL is detected, e.g., by hyperlink, the designated URL is checked against the URLs in the active bookmark set. Only if there is a match between the designated URL and a respective URL in the active bookmark set is the request allowed to proceed. The creation of as well as other actions on a bookmark set is associated with one or more passwords.	
Primary Examiner —Raymond J. Bayerl Assistant Examiner —Cuong T. Thai Attorney, Agent, or Firm —Jeffrey S. LaBaw	
25 Claims, 14 Drawing Sheets	



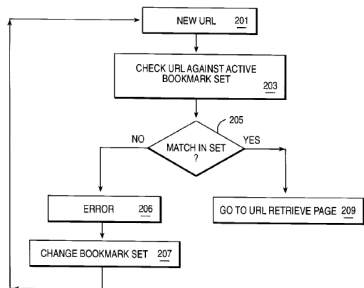
IPR2025-00857
Apple EX1005 Page 1

Bookmark sets allow the user to create specific sets of URLs depending on his or her needs. For example, a privileged user can configure an Office bookmark set, a Home bookmark set and a Daughter bookmark set to satisfy each of the environments and users of the browser. Some or all of the bookmark sets may be password protected to use. In some embodiments, there is an additional password to modify or create a bookmark set. A sample “work” bookmark set is given below:

Himmel's Bookmarks Are Created By Users

'934 Patent

	
US0006037934A	
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Himmel et al.	[45] Date of Patent: Mar. 14, 2000
[54] NAMED BOOKMARK SETS	
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[58] Field of Search: 345/357, 335, 345/329, 331, 353, 333, 356, 395/200,35, 200.33, 200.47, 707/501	
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5,706,507 1/1998 Schlus 707/104	
5,742,768 4/1998 Gennaro et al. 295/200.33	
5,781,189 5/1995 Holleran et al. 345/335	
5,801,702 3/1995 Dulan et al. 345/357	
5,864,676 11/1996 Beer et al. 395/200.59	
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2328300A 10/1998 United Kingdom G06F 17/30	
OTHER PUBLICATIONS	
Gopher Bookmarks: How To Make Them and What They Can Do For you. http://www-ls.gais.scla.edu/Lab/unote25.html , Jun. 4, 1997.	
[57] ABSTRACT	
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Primary Examiner —Raymond J. Bayerl Assistant Examiner —Cuong T. Thai Attorney, Agent, or Firm —Jeffrey S. LaBaw	
25 Claims, 14 Drawing Sheets	



IPR2025-00857
Apple EX1005 Page 1

As described above, the invention allows the user to create specific and unique bookmark sets for each of the tasks for which he uses the browser. Although the bookmark set could be designated active in many ways, a bookmark set can be activated through a browser configuration option. For example, by a “Select active bookmark set” option in a bookmark pulldown, the user can specify the unique bookmark set that is active at any one session.

CERTIFICATE OF SERVICE

I certify that the foregoing PATENT OWNER'S DEMONSTRATIVE EXHIBITS was served on July 31, 2026, on the Petitioner by filing this document through the Patent Trial and Appeal Case Tracking System (P-TACTS) as well as e-mailing a copy to ptab@eriseip.com.

Dated: July 31, 2026

By: /s/ Lewis E. Hudnell, III
Reg. No. 51,185
Hudnell Law Group, P.C.
Counsel for Patent Owner