

Presentation of Petitioners

IPR 2014-00029

IPR 2014-00031

IPR 2014-00040

IPR 2014-00044

U.S. Patent No. 6,771,290

Principal Prior Art at Issue

- PCT International Publication Number WO 97/09682 to Kikinis (**“Kikinis”**), published Mar. 13, 1997 is prior art under § 102(b)

The '290 Patent

(12) **United States Patent**
Hoyle

(12) **United States Patent**
Hoyle

(10) **Patent No.:** US 6,771,290 B1
(45) **Date of Patent:** Aug. 3, 2004

(54) **COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE ORGANIZATION SYSTEM AND TARGETED ADVERTISING**

(75) **Inventor:** Martin David Hoyle, Metairie, LA (US)

(73) **Assignee:** B.E. Technology, LLC, Bay City, MI (US)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** 09/744,033

(22) **PCT Filed:** Jul. 16, 1999

(86) **PCT No.:** PCT/US99/16135

§ 371 (c)(1), (2), (4) **Date:** Apr. 11, 2001

(87) **PCT Pub. No.:** WO00/04434

PCT Pub. Date: Jan. 27, 2000

Related U.S. Application Data

(63) **Continuation-in-part of application No. 09/118,351, filed on Jul. 17, 1998, now Pat. No. 6,141,010.**

(51) **Int. Cl.:** G06F 15/00

(52) **U.S. Cl.:** 345/745; 717/170

(58) **Field of Search:** 345/745, 762, 345/763, 852, 853, 854, 839; 717/120

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,602,279 A 7/1986 Freeman
5,347,632 A 9/1994 Filipp et al.

(List continued on next page.)

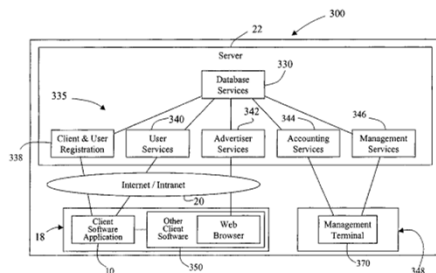
Brown, M., Using Netscape™ 3, Special Edition 1996, p. 40, 43, 52, 53, 58, 59, 62-64, 94-109.

Primary Examiner—Cao (Kevin) Nguyen
(74) *Attorney, Agent, or Firm*—Reising, Ethington, Barnes, Kisselle, P.C.

(57) **ABSTRACT**

A method and apparatus for providing an automatically upgradeable software application includes targeted advertising based upon demographics and user interaction with the computer. The software application includes a display region used for banner advertising that is downloaded over a network such as the Internet. The software application is accessible from a server via the network and demographic information on the user is acquired by the server and used for determining what advertising will be sent to the user. The software application further targets the advertisements in response to normal user interaction with the computer. Data associated with each advertisement is used by the software application in determining when a particular advertisement is to be displayed. This includes the specification of certain programs that the user may have so that, when the user runs the program (e.g., a spreadsheet program), a relevant advertisement will be displayed (e.g., an advertisement for a stock brokerage). This provides two-tiered, real-time targeting of advertising—both demographically and reactively. The software application includes programming that accesses the server to determine if one or more components of the application need upgrading. If so, the components can be downloaded and installed without further action by the user. A distribution tool is provided for software distribution and upgrading over the network. Also provided is a user profile that is accessible to any computer on the network. Furthermore, multiple users of the same computer can possess Internet web resources and files that are personalized, maintained and organized.

3 Claims, 16 Drawing Sheets



(54) **COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE NETWORK ORGANIZATION SYSTEM AND TARGETED ADVERTISING**

(75) **Inventor:** Martin David Hoyle, Metairie, LA (US)

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'290 Patent at pg. 1.

The '290 Patent, Fig. 5c

United States Patent
Hoyle



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(58) Field of Search **345/745, 762, 345/763, 852, 853, 854, 839; 717/120**

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OTHER PUBLICATIONS

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Primary Examiner—Cao (Kevin) Nguyen
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3 Claims, 16 Drawing Sheets

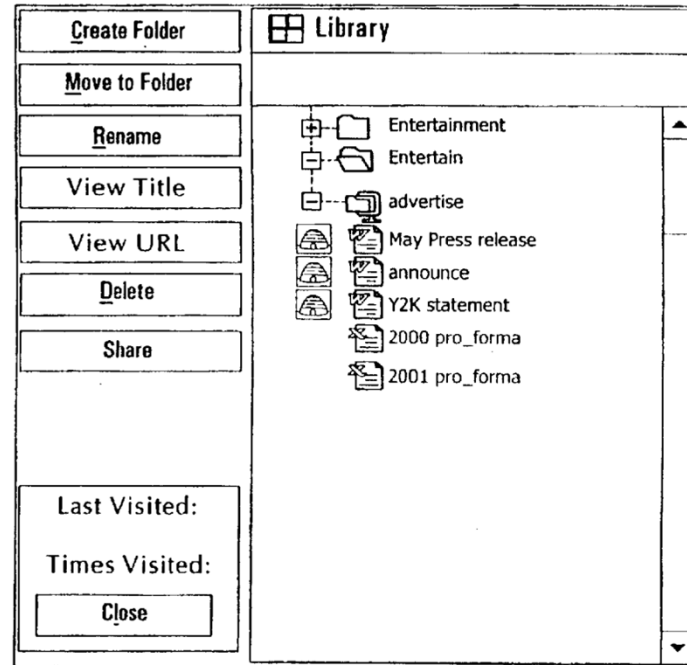
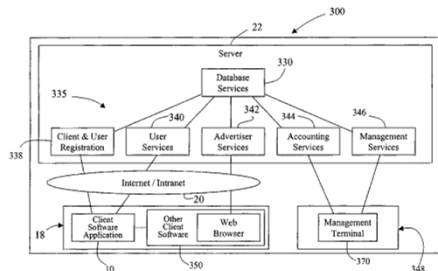


FIG. 5c

'290 Patent Fig. 5c

The '290 Patent, Claim 1



(12) United States Patent

(10) Patent No.: US 6,771,290 B1

1. A computer-readable memory for use by a client computer to provide a user of the computer with an integrated, customized, graphical user interface to a plurality of computer resources, the computer-readable memory comprising:

- a non-volatile data storage device;
- a program stored on said non-volatile data storage device in a computer-readable format;
- said program being operable upon execution to display a graphical user interface comprising an application window separated into a number of regions,
- a first one of said regions including a number of graphical objects, at least some of which are each representative of a different software application and are selectable by the user via an input device, wherein said program is operable upon selection of one of said graphical objects to initiate execution of the software application associated therewith;

- a second one of said regions including a number of user-selectable items, at least some of which are each associated with a different data set, said data sets each comprising a number of links to different information resources, wherein said program is operable in response to selection of at least one of said items to provide the user with access to its associated data set;
- said program including a login module that is operable upon execution to identify the user of the computer; and
- said program being operable following execution of said login module to provide an identification of the user to the server and to receive from the server a user profile containing one or more user data sets and user links to information resources, with said program further being operable to display in one of said regions a user-selectable item for each of said user data sets and each of said user links.

'290 Patent at 38:29-67 (Claim 1)

The '290 Patent, Claims 2-3



US006771290B1

(12) United States Patent

(10) Patent No.: US 6,771,290 B1

2. A computer-readable memory for use by a client computer in conjunction with a server that is accessible by the client computer via a network, the server storing a user profile and user library for each of a number of different users, with the user library containing one or more files and the user profile containing at least one user link that provides a, link to one of the files in the user library, the computer-readable memory comprising:

- a non-volatile data storage device;
- a program stored on said non-volatile data storage device in a computer-readable format;
- said program being operable upon execution to display a graphical user interface comprising an application window having a number of user-selectable items displayed therein, wherein each of said items has associated with it a link to an information resource accessible via the network and wherein said program is operable upon execution and in response to selection by a user

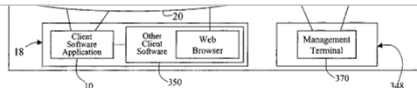
of one of said items to access the associated information resource over the network;

said program being operable upon execution to receive from server one of the user profiles and to display a user-selectable item for user links contained within the user profile, said program further being operable in response to selection by a user of one of the user links to access the file associated with the selected user link from the user library associated with the received user profile.

3. A computer-readable memory as defined in claim 2, wherein said program is operable upon execution and in response to selection by a user of one of said items to access the associated information resource over the network using a browser.

* * * * *

'290 Patent at 39:1-40:16 (Claims 2-3)




Kikinis

PCT		WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)		
(51) International Patent Classification ⁶ :	A1	(11) International Publication Number:
G06F 17/30		
(21) International Application Number:	PCT/IB96/00986	(81) Designated States:
(22) International Filing Date:	30 August 1996 (30.08.96)	DK, ES
(30) Priority Data:	08/523,005 1 September 1995 (01.09.95) US	Published
(71) Applicant: ELONEX PLC (GB/GB); 2 Apsley Way, London NW2 7LF (GB).		<i>With in Before claims amend</i>
(72) Inventor: KIKINIS, Dan; 20264 Ljepava Drive, Saratoga, CA 95070 (US).		
(74) Agents: FREED, Arthur, Woolf et al.; Reginald W. Barker & Co., Chancery House, 53-64 Chancery Lane, London WC2A 1QU (GB).		

(54) Title: SERVICE INDEPENDENT ELECTRONIC DOCUMENT SERVER

(57) Abstract

A retrieval and auditing system for electronic documents specifically addressed and forwarded over an Internet connection, including e-mail, voice-mail, and facsimile (FAX) documents, provides a gateway interface in a home page retrievable without regard to a particular Internet Service Provider granting access to the Internet. In a preferred embodiment a security protocol is required to launch the gateway from a home page, ensuring that the person granted access to specifically-addressed electronic documents is the addressee.

PCT		WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau	
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)			
(51) International Patent Classification ⁶ :	A1	(11) International Publication Number:	WO 97/09682
G06F 17/30		(43) International Publication Date:	13 March 1997 (13.03.97)
(21) International Application Number:	PCT/IB96/00986	(81) Designated States:	CN, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).
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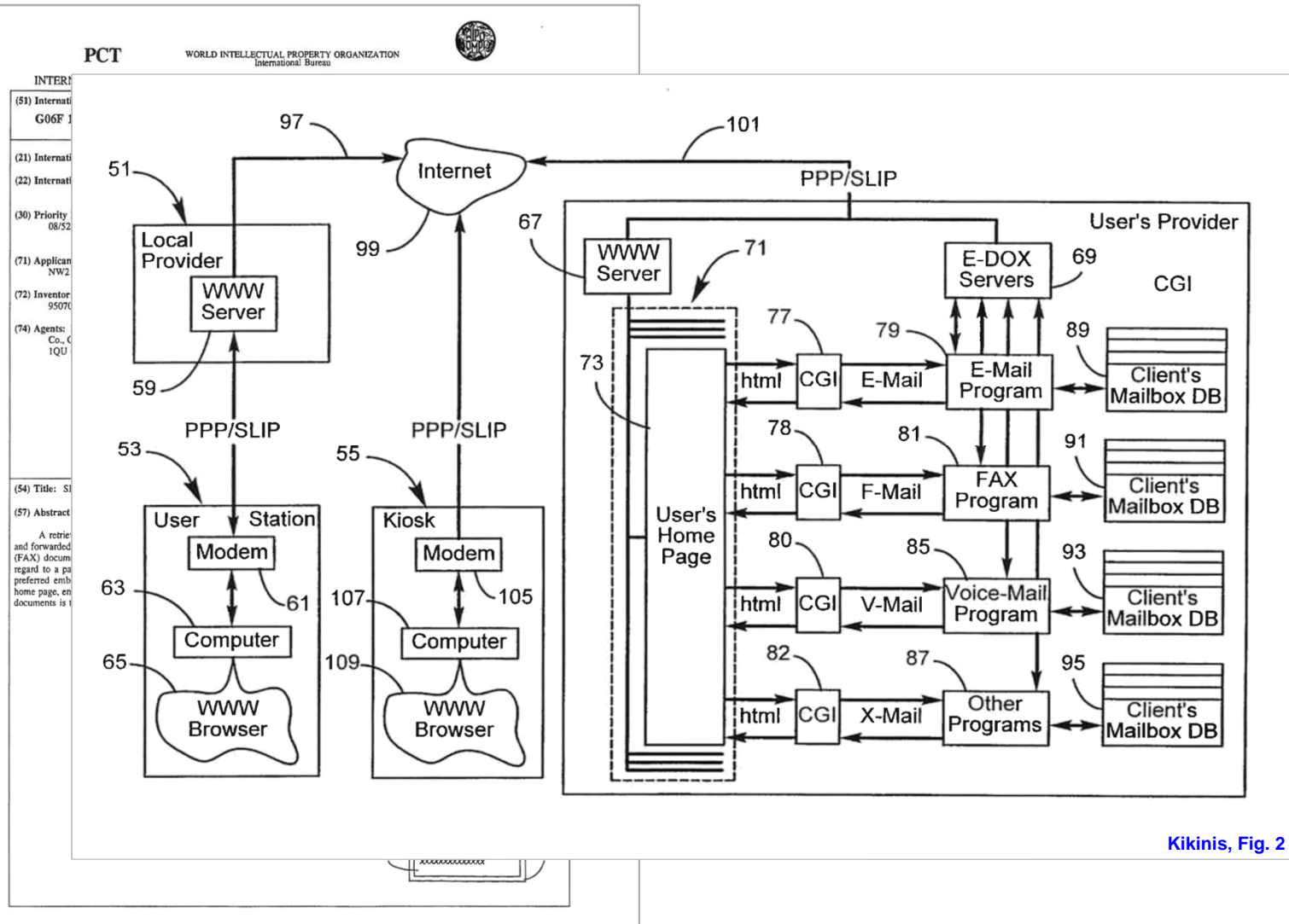
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Kikinis at pg. 1.

Kikinis, Fig. 2



Kikinis, Fig. 2

Kikinis, Fig. 3

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International Bureau

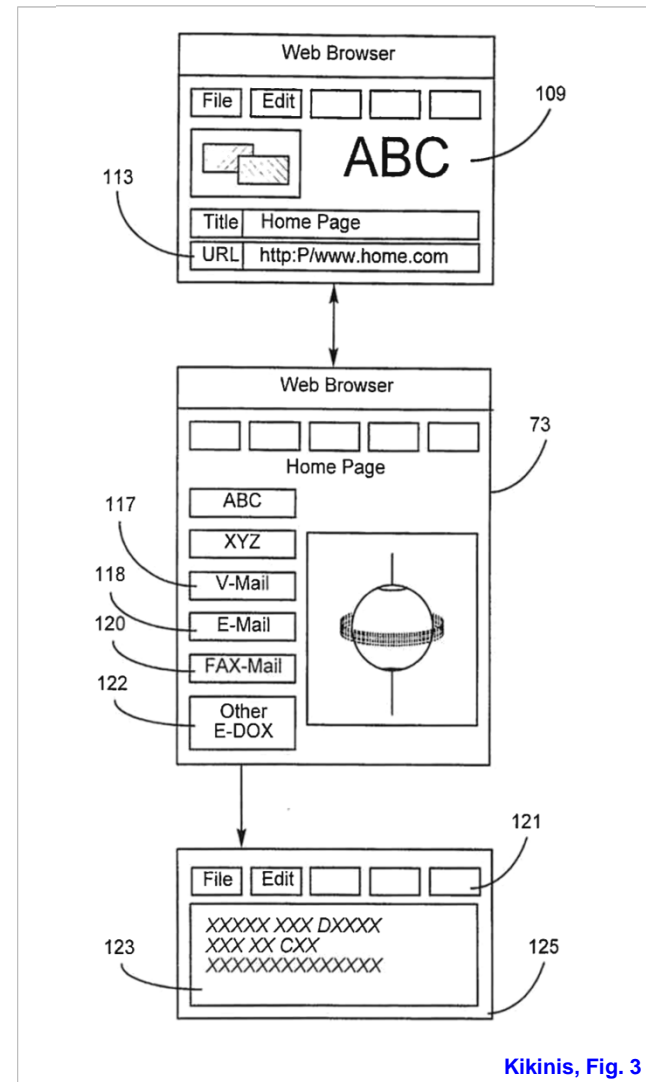
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(22) International Filing Date: 30 August 1996 (30.08.96)	Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
(30) Priority Data: 08/523,005 1 September 1995 (01.09.95) US		
(71) Applicant: ELONEX PLC (GB/GB); 2 Apsley Way, London NW2 7LF (GB).		
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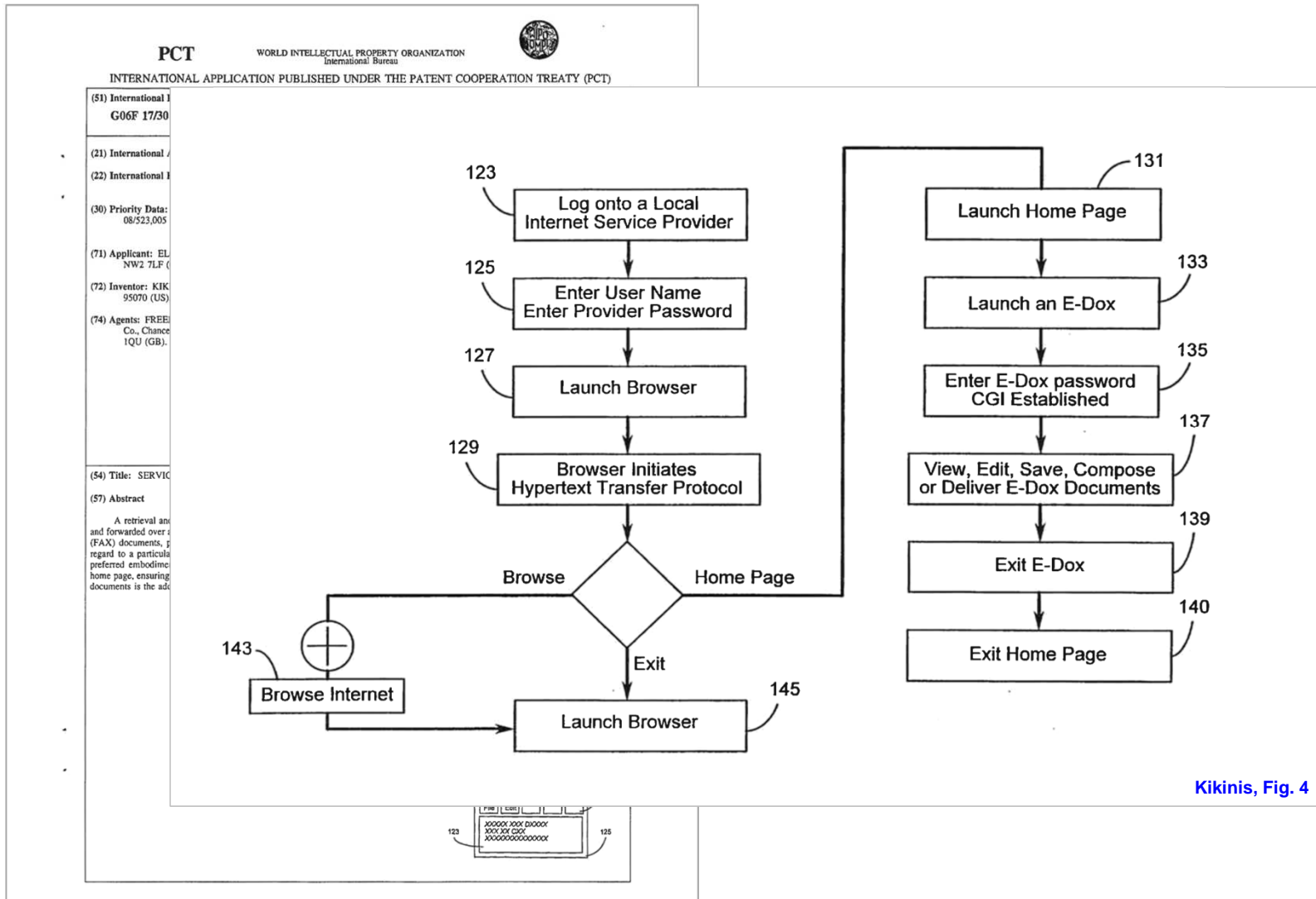
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Kikinis, Fig. 4



Grounds in This Trial

Kikinis: Anticipates claims 1-3

The '290 Patent, Claim 2 Preamble



(12) **United States Patent**
Hoyle

(10) Patent No.: **US 6,771,290 B1**
 (45) Date of Patent: **Aug. 3, 2004**

(54) **COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE NETWORK ORGANIZATION SYSTEM AND TARGETED ADVERTISING**

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Primary Examiner—Cao (Kevin) Nguyen
 (74) *Attorney, Agent, or Firm*—Kisselle, P.C.

(73) Assignee: **B.E. Technology, LLC**, Bay City, MI (US)

ABSTRACT

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A method and apparatus for upgradeable software application based upon demographics computer. The software application region used for banner advertising a network such as the Internet accessible from a server via information on the user is acquired for determining what advertising software application further response to normal user interaction associated with each advertisement application in determining what is to be displayed. This includes programs that the user may have the program (e.g., a spreadsheet) will be displayed (e.g., brokerage). This provides two advertising—both demographic software application includes program server to determine if one application need upgrading. If downloaded and installed with A distribution tool is provided upgrading over the network. A that is accessible to any Furthermore, multiple users possess Internet web resources personalized and

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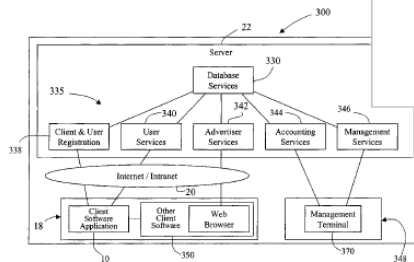
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 (58) Field of Search **345/745, 762, 345/763, 852, 853, 854, 839; 717/120**

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(List continued on next page.)

3 Claims, 16 D



2. A computer-readable memory for use by a client computer in conjunction with a server that is accessible by the client computer via a network, the server storing a user profile and user library for each of a number of different users, with the user library containing one or more files and the user profile containing at least one user link that provides a, link to one of the files in the user library, the computer-readable memory comprising:

290 Patent at claim 2, cited in 00029 Petition at 17; 00031 Petition at 15-16; 00040 Petition at 13-14; 00044 Petition at 12.

Anticipation by Kikinis

Fig. 2 is a block diagram illustrating how Internet users may remotely access their e-mail using the facilities of the Web independent of provider, according to an embodiment of the present invention.

Kikinis at 6:7-10, cited in 00029 Petition at 17; 00031 Petition at 16, 43; 00040 Petition at 13; 00044 Petition at 12.

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INTERNATIONAL P
(51) International P
G06F 17/30

(21) International A
(22) International F

(30) Priority Data:
08/523,005

(71) Applicant: ELC
NW2 7LF (C

(72) Inventor: KIKI
95070 (US).

(74) Agents: FREED
Co., Chancery
1QU (GB).

(54) Title: SERVICE

(57) Abstract

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and forwarded over as
(FAX) documents, pr
regard to a particular
preferred embodiment
home page, ensuring t
documents is the addi

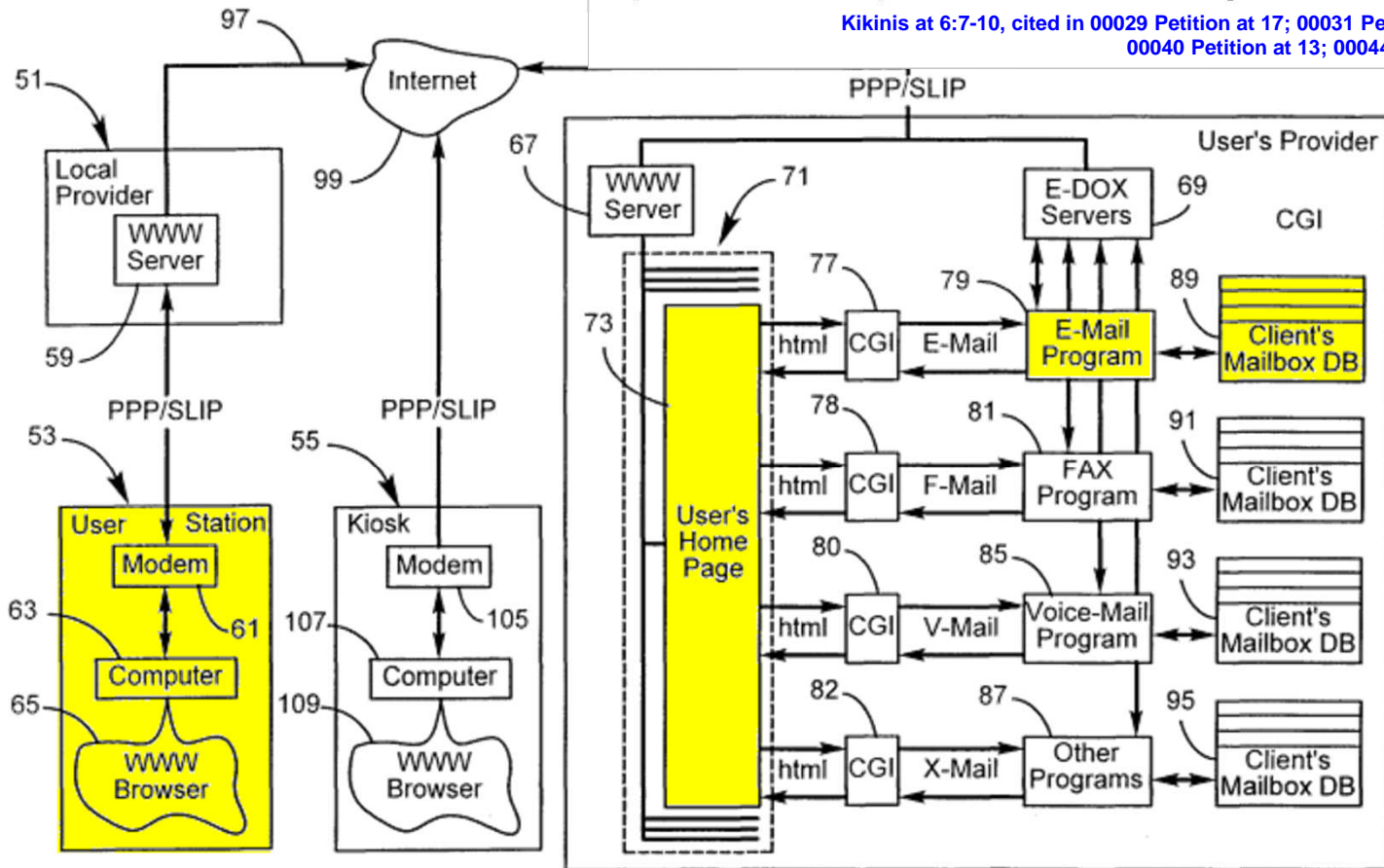


Fig. 2

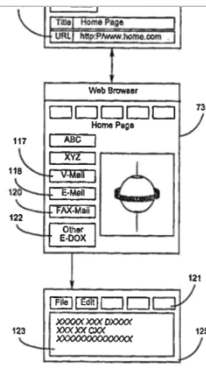
Kikinis at Fig. 2, cited in 00029 Petition at 17-18; 00031 Petition at 16; 00040 Petition at 13; 00044 Petition at 12.

Anticipation by Kikinis

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In the system of Fig. 2, user station 53 comprises, a high-speed modem 61, and a computer system 63 having well-known elements of such a computer system, including a Web-browser 65 and PPP or SLIP communication software (not shown). Also in the system, a kiosk 55

Kikinis at 6:11-13, cited in 00029 Petition at 17; 00031 Petition at 18,23-24,30, 48; 00040 Petition at 9,13,15; 00044 Petition at 13.



The '290 Patent, Claim 2



US00671290B1

(12) **United States Patent**
Hoyle

(10) Pat
(45) Date

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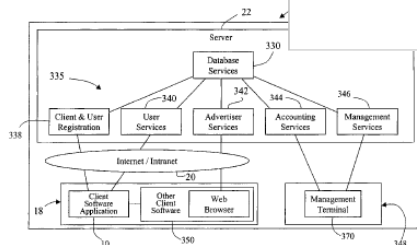
Brown, M., 40, 43, 52, 5

Primary Examiner: (74) Attorney: Kisselle, P.C. (57)

A method of upgrading a network-based user interface on a computer. The network-based user interface is accessible from a network server. Information is used for determining software application response to a user associated with the application. It is to be displayed to the program user. The program user will be notified of the program user's advertising information. The network-based user interface server to be downloaded to a client computer. A distribution system for upgrading on that is accessible. Furthermore, the user interface is personalized.

2. A computer-readable memory for use by a client computer in conjunction with a server that is accessible by the client computer via a network, the server storing a user profile and user library for each of a number of different users, with the user library containing one or more files and the user profile containing at least one user link that provides a link to one of the files in the user library, the computer-readable memory comprising:

290 Patent at claim 2, cited in 00029 Petition at 18; 00031 Petition at 15-16,21; 00040 Petition at 14; 00044 Petition at 13.



Anticipation by Kikinis

PCT	
WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau	
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)	
(51) International Patent Class G06F 17/30	<p>Web server 67 runs unique control routines according to an embodiment of the present invention that supports a set of data bases 71. Each data base belongs to (or is assigned to or associated with) a different client. A single data base of set 71 includes a home page 73, individualized to a specific client, that provides software links to various <u>lower-order data bases</u> maintained by electronic document server 69. Examples of such lower-order data bases are an <u>e-mail data base 89</u>, a <u>fax data base 91</u>, a <u>voice mail data base 93</u>, and <u>other electronic documents in data base 95</u>. Home page 73 is created with hypertext markup language (HTML), as are other home pages, and provides access to data bases 89, 91, 93, and 95 as described below through software links. Those with skill in the art will recognize that the technology of</p> <p>Kikinis at 7:34-8:7, cited in 00029 Petition at 18; 00031 Petition at 16-17,22; 00040 Petition at 14; 00044 Petition at 13.</p>
(21) International Application	
(22) International Filing Date:	
(30) Priority Data: 08/523,005 1	
(71) Applicant: ELONEX PLC NW2 7LF (GB).	
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A retrieval and auditing system and forwarded over an Internet or (FAX) documents, provides a gateway regard to a particular Internet Site preferred embodiment a security home page, ensuring that the person documents is the addressee.	

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(54) Title: SERVICE INDEPENDENT ELECTRONIC DOCUMENT S			
(57) Abstract			
A retrieval and auditing system for electronic documents specified and forwarded over an Internet connection, including e-mail, voice-mail, and (FAX) documents, provides a gateway interface in a home page retrieval regard to a particular Internet Service Provider granting access to the Internet. In the preferred embodiment a security protocol is required to launch the gateway home page, ensuring that the person granted access to specifically-addressed documents is the addressee.			

Fig. 3 shows an example set 111 of windows accessible in a home page for accessing electronic documents by using the facilities of a Web browser such as Web browser 109 at kiosk 55 (Fig. 2) according to an embodiment of the present invention. A user invokes browser 109 and enters a URL for his or her home page 73 in field 113 of browser 109. An initiation signal then causes control to retrieve home page 73 and display it as an interface to data and other Web destinations.

Operation to this point are conventional, and well-known in the art. Home page 73, however, is different than conventional home pages, as described above with reference to Fig. 2, having on-screen links to electronic documents reserved for the home page "owner", such as e-

Kikinis at 7:29-7:36, cited in 00029 Petition at 18; 00031 Petition at 16; 00040 Petition at 15; 00044 Petition at 16.



Anticipation by Kikinis

In a preferred embodiment of the present invention, an Internet home page interface is provided comprising **indicia identifying the home page owner**; and an on-screen active selection area for access to an

Kikinis at 3:1-3, cited in IPR2014-00029 Reply at 9; 00031 Reply at 10; 00040 Reply at 9; 00044 Reply at 11.

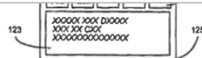
(54) Title: SERVICE INDEPENDENT ELECTRONIC DOCUMENT SERVER

(57) Abstract

A retrieval and auditing and forwarded over an Internet (FAX) documents, provides regard to a particular Internet preferred embodiment a search home page, ensuring that the documents is the addressee.

1. An Internet home page interface comprising: **indicia identifying the home page owner; and**

Kikinis at claim 1, cited in IPR2014-00029 Reply 9



The '290 Patent, Claim 2



US006771290B1

(12) **United States Patent**
Hoyle

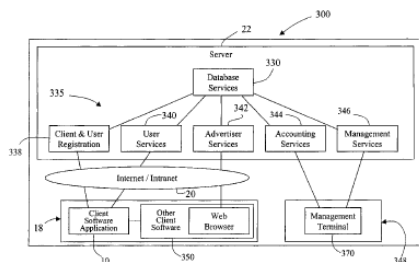
(10) Patent No.: **US 6,771,290 B1**
(45) Date of Patent: **Aug. 3, 2004**

a, link to one of the files in the user library, the computer-readable memory comprising:
a non-volatile data storage device;
a program stored on said non-volatile data storage device in a computer-readable format;

290 Patent at claim 2, cited in 00029 Petition at 22; 00031 Petition at 18; 00040 Petition at 14-15; 00044 Petition at 13.

(List continued on next page.)

3 Claims, 16 Drawing Sheets

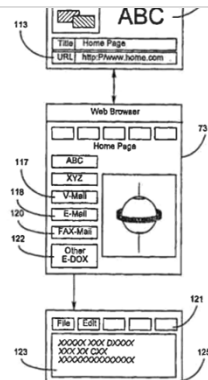


Anticipation by Kikinis

PCT		WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau	
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)			
(51) International Patent Classification ⁶ : G06F 17/30	A1	(11) International Publication Number: WO 97/09682	(43) International Publication Date: 13 March 1997 (13.03.97)
(21) International Application Number: PCT/IB96/00986	(81) Designated States: CN, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).		
(22) International Filing Date: 30 August 1996 (30.08.96)			
(30) Priority Data: 08/523,005 1 Sept			
(71) Applicant: ELONEX PLC (GB NW2 7LF (GB).			
(72) Inventor: KIKINIS, Dan; 2026- 95070 (US).			
(74) Agents: FREED, Arthur, Woolf Co., Chancery House, 53-64 1QU (GB).			
(54) Title: SERVICE INDEPENDENT			
(57) Abstract A retrieval and auditing system and forwarded over an Internet connection (FAX) documents, provides a gateway regard to a particular Internet Service Provider granting access to the Internet. In a preferred embodiment a security protocol is required to launch the gateway from a home page, ensuring that the person granted access to specifically-addressed electronic documents is the addressee.			

In the system of Fig. 2, user station 53 comprises, a high-speed modem 61, and a computer system 63 having well-known elements of such a computer system, including a Web-browser 65 and PPP or SLIP communication software (not shown). Also in the system, a kiosk 55

Kikinis at 6:11-13, cited in 00029 Petition at 17-18; 00031 Petition at 18; 00040 Petition at 14-15; 00044 Petition at 13.



Anticipation by Kikinis

Expert Declarations

“well-known elements” of a computer system . . . would have included some form of non-volatile data storage devices

00029 Exhibit Sony-1006 at ¶ 17.b, cited in 00029 Petition at 16-17.

browser software on a user’s computer 63 would necessarily be stored on a non-volatile data storage device

00031 Exhibit Google-1004 at ¶ 125, cited in 00031 Petition at 18.

a computer system “having well-known elements of such a computer . . .” . . . thus describes “a non-volatile data storage device . . .”

00040 Exhibit Microsoft-1003 at ¶¶ 118, 163-64, cited in 00040 Petition at 15.

the computer system (63, 107) has well-known elements of such a computer system, which would necessarily include a nonvolatile data storage device.

00044 Exhibit Samsung-1005 at ¶ 48, cited in 00044 Petition at 13.

The '290 Patent, Claim 2



US06771290B1

(12) **United States Patent**
Hoyle

(10) Patent No.: **US 6,771,290 B1**
(45) Date of Patent: **Aug. 3, 2004**

(54) **COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE NETWORK ORGANIZATION SYSTEM AND TARGETED ADVERTISING**

OTHER PUBLICATIONS

Brown, M., Using Netscape™ 3, Special Edition 1996, p. 40, 43, 52, 53, 58, 59, 62-64, 94-109.

(75) Inventor: **Martin David Hoyle**, Metairie, LA (US)

Primary Examiner—Cao (Kevin) Nguyen
(74) *Attorney, Agent, or Firm*—Reising, Eihington, Barnes, Kisselle, P.C.

(73) Assignee: **B.E.C. Tee** (US)

(*) Notice: Subject to patent is U.S.C. 1

(21) Appl. No.: **097**

(22) PCT Filed: **Jul.**

(86) PCT No.: **PCT**

§ 371 (c)(1).

(3), (4) Date: **Apr.**

(87) PCT Pub. No.: **WG**

PCT Pub. Date: **Jan.**

Related U.S.

(63) Continuation-in-part of

Jul. 17, 1998, now Pat.

(51) **Int. Cl.**

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

(58) **Field of Search**

345.7

(56) **Refer**

U.S. PATEN

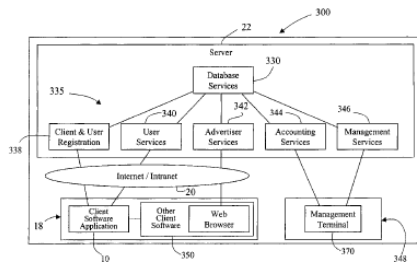
4,602,270 A 7/198

5,347,632 A 9/199

(List contin

said program being operable upon execution to display a graphical user interface comprising an application window having a number of user-selectable items displayed therein, wherein each of said items has associ-

290 Patent at claim 2, cited in 00029 Petition at 19; 00031 Petition at 18-19; 00040 Petition at 15-16; 00044 Petition at 14.



Anticipation by Kikinis

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION <small>International Bureau</small>	
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY	
(51) International Patent Classification ⁶ : G06F 17/30	(11) International Publication Number: A1 (43) International Filing Date: 30 August 1996 (30.08.96)
(21) International Application Number: PCT/IB96/00986 (22) International Filing Date: 30 August 1996 (30.08.96) (30) Priority Data: 08/523,005 1 September 1995 (01.09.95) US (71) Applicant: ELONEX PLC (GB/GB); 2 Apsley Way, London NW2 7LF (GB). (72) Inventor: KIKINIS, Dan; 20264 Ljepava Drive, Saratoga, CA 95070 (US). (74) Agents: FREED, Arthur, Woolf et al.; Reginald W. Barker & Co., Chancery House, 53-64 Chancery Lane, London WC2A 1QU (GB).	(81) Designated States: DK, ES, JP, KR, NL, PT, SE, SI, TR, UA, VN Published With international claims and amendments
(54) Title: SERVICE INDEPENDENT ELECTRONIC DOCUMENT SERVER	
(57) Abstract A retrieval and auditing system for electronic documents specifically addressed and forwarded over an Internet connection, including e-mail, voice-mail, and facsimile (FAX) documents, provides a gateway interface in a home page retrievable without regard to a particular Internet Service Provider granting access to the Internet. In a preferred embodiment a security protocol is required to launch the gateway from a home page, ensuring that the person granted access to specifically-addressed electronic documents is the addressee.	

The diagram illustrates a 'Web Browser' window (73) displaying a 'Home Page'. The browser window contains a series of five small rectangular icons at the top. Below these icons, the text 'Home Page' is centered. On the left side of the page, there is a vertical stack of six rectangular buttons, each with a label: 'ABC' (117), 'XYZ' (118), 'V-Mail' (119), 'E-Mail' (120), 'FAX-Mail' (121), and 'Other E-DOX' (122). On the right side of the page, there is a large square frame containing a circular graphic with a horizontal band across its middle, resembling a sphere or a stylized logo. The entire browser window is enclosed in a rectangular border.

Kikinis at Fig. 3 (cropped), cited in 00029 Petition at 20; 00031 Petition at 19; 00040 Petition at 15; 00044 Petition at 14.

Anticipation by Kikinis

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ :	(11) International Publication Number: WO 97/09682
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gateway to their information resources. **A home page is a graphical interface unique** to an individual user, and it functions in part as a table of contents. For example, a computer manufacturer may provide a home

Kikinis at 2:3-5, cited in 00029 Petition at 19; 00031 Petition at 24; 00040 Petition at 15-16.

(54) Title: SE
(57) Abstract
A retrieval and forwarded (FAX) document regard to a preferred embodiment home page, electronic documents is t

of contents. For example, a computer manufacturer may provide **a home page on the Internet WWW with active selection areas (buttons) directing control and display** to such as product information, prices, system product capabilities, and other web sites. Buttons and the like on

Kikinis at 2:5-7, cited in 00029 Petition at 19; 00031 Petition at 24; 00040 Petition at 15-16.

The '290 Patent, Claim 2



US006771290B1

(12) **United States Patent**
Hoyle

(10) Patent No.: **US 6,771,290 B1**
(45) Date of Patent: **Aug. 3, 2004**

(54) **COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE NETWORK ORGANIZATION SYSTEM AND TARGETED ADVERTISING**

OTHER PUBLICATIONS

Brown, M., Using Netscape™ 3, Special Edition 1996, p. 40, 43, 52, 53, 58, 59, 62-64, 94-109.

(75) Inventor: **Martin David Hoyle**, Metairie, LA (US)

Primary Examiner—Cao (Kevin) Nguyen
(74) *Attorney, Agent, or Firm*—Reising, Eihington, Barnes, Kisselle, P.C.

(73) Assignee: **B.E. Technology, LLC**, Bay City, MI

(57) **ABSTRACT**

(*) Notice:

(21) Appl. No.:

(22) PCT Filed:

(86) PCT No.:

§ 371 (c)(2), (4) D:

(87) PCT Pub.:

PCT Pub.:

Rel:

(63) Continuation:

Jul. 17, 1999

(51) Int. Cl.:

(52) U.S. Cl.:

(58) Field of S:

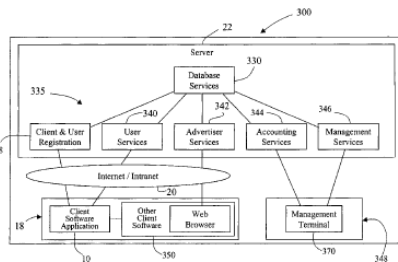
(56) U.:

4,602,279 A

5,347,632 A

(List continued on next page.)

3 Claims, 16 Drawing Sheets



played therein, wherein each of said items has associated with it a link to an information resource accessible via the network and wherein said program is operable

290 Patent at claim 2, cited in 00029 Petition at 19-20; 00031 Petition at 25-26; 00040 Petition at 16-17; 00044 Petition at 14-15.

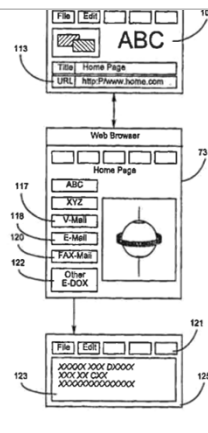
Anticipation by Kikinis

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau		INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)	
(51) International Patent Classification ⁶ : G06F 17/30	A1	(11) International Publication Number: WO 97/09682	(43) International Publication Date: 13 March 1997 (13.03.97)
(21) International Application Number: PCT/IB96/00986	(81) Designated States: CN, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).		
(22) International Filing Date: 30 August 1996 (30.08.96)			

system product capabilities, and other web sites. Buttons and the like on one web page also can cause control to jump to another web page. A home page is created with the hypertext markup language.

Kikinis at 2:8-9, cited in 00029 Petition at 20; 00031 Petition at 24; 00040 Petition at 15,16.

and forwarded over an Internet connection, including e-mail, voice-mail, and facsimile (FAX) documents, provides a gateway interface in a home page retrievable without regard to a particular Internet Service Provider granting access to the Internet. In a preferred embodiment a security protocol is required to launch the gateway from a home page, ensuring that the person granted access to specifically-addressed electronic documents is the addressee.



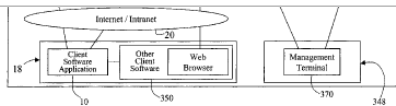
The '290 Patent, Claim 2

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(86) /
(87) I
(63) C
(51) C
(52) C
(58) /
(56) /
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via the network and wherein said program is operable upon execution and in response to selection by a user of one of said items to access the associated information resource over the network;

said program being operable upon execution to receive from server one of the user profiles and to display a user-selectable item for user links contained within the user profile, said program further being operable in

290 Patent at claim 2, cited in 00029 Petition at 20-21; 00031 Petition at 19-20; 00040 Petition at 16-17; 00044 Petition at 16.



Anticipation by Kikinis

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WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification
G06F 17/30

(21) International Application No.
(22) International Filing Date
(30) Priority Data:
08/523,005

(71) Applicant: ELONEX PL
NW2 7LF (GB).

(72) Inventor: KIKINIS, Dan
95070 (US).

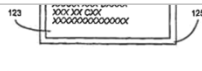
(74) Agents: FREED, Arthur,
Co., Chancery House,
1QU (GB).

Home page 73, however, is different than conventional home pages, as described above with reference to Fig. 2, having on-screen links to electronic documents reserved for the home page "owner", such as e-mail and faxes.

Kikinis at 7:35-8:1, cited in 00029 Petition at 21; 00031 Petition at 17; 00040 Petition at 15-16; 00044 Petition at 12-13.

In a preferred embodiment of the present invention, an Internet home page interface is provided comprising indicia identifying the home page owner; and an on-screen active selection area for access to an electronic document data base containing electronic documents addressed specifically to the home page owner. Selecting the on-screen

Kikinis at 3:1-6, cited in IPR2014-00029 Reply at 9; 00031 Reply at 10; 00040 Reply at 9-10; 00044 Reply at 11.



The '290 Patent, Claim 2



US006771290B1

(12) **United States Patent**
Hoyle

(10) Patent No.: **US 6,771,290 B1**
(45) Date of Patent: **Aug. 3, 2004**

(54) **COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE NETWORK ORGANIZATION SYSTEM AND TARGETED ADVERTISING**

OTHER PUBLICATIONS

Brown, M., Using Netscape™ 3, Special Edition 1996, p. 40, 43, 52, 53, 58, 59, 62-64, 94-109.

(75) Inventor: **Martin David Hoyle**
(US)

Primary Examiner—Cao (Kevin) Nguyen

(73) Assignee: **B.E. Technology, L**
(US)

(* Notice: Subject to any disclaimer, this patent is extended to cover the full term available under U.S.C. 154(b) by 0

(21) Appl. No.: **09/744,033**

(22) PCT Filed: **Jul. 16, 1999**

(86) PCT No.: **PCT/US99/10**

§ 371 (c)(1), (2), (4) Date: **Apr. 11, 2001**

(87) PCT Pub. No.: **WO00/04434**

PCT Pub. Date: **Jan. 27, 2000**

Related U.S. Applications

(63) Continuation-in-part of application of Jul. 17, 1998, now Pat. No. 6,141,0

(51) Int. Cl. 7

(52) U.S. Cl.

(58) Field of Search

345/763, 852, 85

(56) References Cited

U.S. PATENT DOCUMENTS

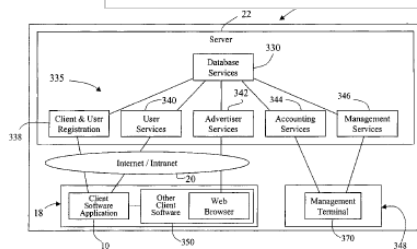
4,602,270 A 7/1986 Freeman

5,347,632 A 9/1994 Flepp et

(List continued on next

user profile, said program further being operable in response to selection by a user of one of the user links to access the file associated with the selected user link from the user library associated with the received user profile.

290 Patent at claim 2, cited in 00029 Petition at 21; 00031 Petition at 19-20,27-28; 00040 Petition at 16-17; 00044 Petition at 16.



Anticipation by Kikinis

PCT
WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification
G06F 17/30

(21) International Application No.
(22) International Filing Date

(30) Priority Data:
08/523,005

(71) Applicant: ELONEX
NW2 7LF (GB).

(72) Inventor: KIKINIS, David
95070 (US).


(74) Agents: FREED, Arthur
Co., Chancery House
1QU (GB).

(54) Title: SERVICE INDICATOR

(57) Abstract

A retrieval and auditing system for electronic documents is provided. The system is implemented on an Internet Service Provider (ISP) and is accessible over an Internet (FAX) documents, provides a gateway to a particular Internet Service Provider granting access to the Internet. In a preferred embodiment a security protocol is required to launch the gateway from a home page, ensuring that the person granted access to specifically-addressed electronic documents is the addressee.

113



A subscriber may use the facilities of the Web to access his or her home page on ISP 57 from anywhere on Earth, and then use the link features in the home page to access the electronic document data bases.

At the access station, such as a kiosk, the subscriber can retrieve and read e-mail messages, faxes, listen to voice mail, and further receive other sorts of electronic documents, such as videos or audio files. If the

Kikinis at 7:17-19, cited in 00029 Petition at 21; 00031 Petition at 26; 00040 Petition at 16-17; 00044 Petition at 16.

As an example, home page 73 in Fig. 3 has a button 117 labeled v-mail, for voice mail. By selecting button 117 a user is linked to data base 93 (Fig. 2) through CGI 80 and voice mail program 87. This

Kikinis at 8:2-4, cited in 00029 Reply at 9; 00040 Petition at 16 (citing Ex. 1003 (Houh Dec.) at ¶ 127).

The '290 Patent, Claim 3



US06771290B1

(12) **United States Patent**
Hoyle

(10) Patent No.: **US 6,771,290 B1**
(45) Date of Patent: **Aug. 3, 2004**

(54) **COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE NETWORK ORGANIZATION SYSTEM AND TARGETED ADVERTISING**

OTHER PUBLICATIONS

Brown, M., Using Netscape™ 3, Special Edition 1996, p. 40, 43, 52, 53, 58, 59, 62-64, 94-109.

(75) Inventor: **Martin David Hoyle**, Metairie, LA (US)

Primary Examiner—Cao (Kevin) Nguyen
(74) Attorney, Agent, or Firm—Reising, Eihington, Barnes,

(73) Assignee:

(*) Notice:

(21) Appl. No.

(22) PCT Filed

(86) PCT No.:

§ 371 (c)

(2), (4) D

(87) PCT Pub.

PCT Pub.

Re

(63) Continuation

Jul. 17, 19

(51) Int. Cl.

(52) U.S. Cl.

(58) Field of

(56)

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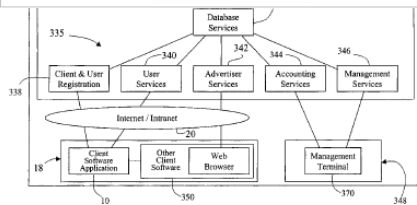
4,602,279 A

5,347,632 A

(1)

3. A computer-readable memory as defined in claim 2, wherein said program is operable upon execution and in response to selection by a user of one of said items to access the associated information resource over the network using a browser.

290 Patent at claim 2, cited in 00029 Petition at 22; 00031 Petition at 29-30; 00040 Petition at 17-18; 00044 Petition at 17-18.



Anticipation by Kikinis


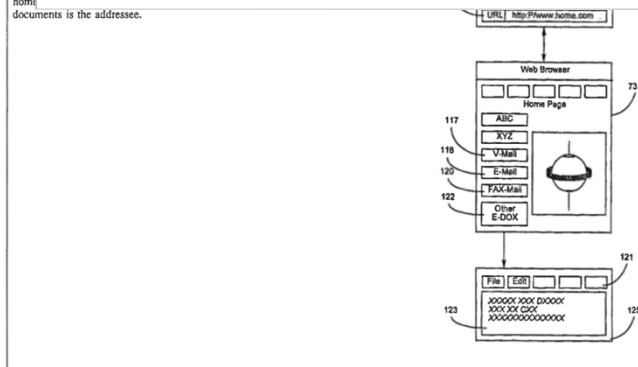
PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau		
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)		
(51) International Patent Classification ⁶ : G06F 17/30	A1	(11) International Publication Number: WO 97/09682 (43) International Publication Date: 13 March 1997 (13.03.97)
(21) International Application Number: PCT/IB96/00986 (22) International Filing Date: 30 August 1996 (30.08.96)	(81) Designated States: CN, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	

Fig. 3 shows an example set 111 of windows accessible in a home page for accessing electronic documents by using the facilities of a Web browser such as Web browser 109 at kiosk 55 (Fig. 2) according to an embodiment of the present invention. A user invokes browser 109

Kikinis at 7:26-28, cited in 00029 Petition at 22; 00031 Petition at 29-30; 00040 Petition at 17-18; 00044 Petition at 17.



Patent Owner Response

UNITED STATES PATENT AND TRADEMARK OFFICE

KIKINIS DOES NOT DISCLOSE “A PROGRAM STORED ON SAID NON-VOLATILE DATA STORAGE DEVICE” THAT PERFORMS THE FUNCTIONS CLAIMED IN CLAIMS 1 AND 2.

[Patent Owner Responses at V](#)

Case IFC2014-00040
Patent 6,771,290

THE '290 PATENT TEACHES A “ONE-CLICK” SYSTEM.

[Patent Owner Response at VI \(00040 at VII\)](#)

PATENT OWNER'S RESPONSE TO PETITION
(37 C.F.R. § 42.120)

KIKINIS DOES NOT DISCLOSE A USER PROFILE.

[Patent Owner Responses at VII \(00040 at VIII\)](#)

Patent Owner Response

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

KIKINIS DOES NOT DISCLOSE “A PROGRAM STORED ON SAID NON-VOLATILE DATA STORAGE DEVICE” THAT PERFORMS THE FUNCTIONS CLAIMED IN CLAIMS 1 AND 2.

[Patent Owner Responses at V](#)

DOMINIC GALETTI C. MEDLEY, KATHARINE DESHAYES, and
LYNNE E. PETTIGREW, *Administrative Patent Judges.*

PETTIGREW, *Administrative Patent Judge.*

**PATENT OWNER'S RESPONSE TO PETITION
(37 C.F.R. § 42.120)**

Mail Stop Patent Board
Patent Trial and Appeal Board
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Patent Owner Response

UNITED STATES PATENT AND TRADEMARK OFFICE

A. Kikinis Teaches Remotely Stored Programs.

Kikinis generally discloses a system that provides remote indirect access to electronic documents, such as e-mail. *See* Ex. 1005, Col. 1:1-3 (“The present

[00029 Patent Owner Response at 9](#); [00031 Patent Owner Response at 9](#); [00040 Patent Owner Response at 11](#); [00044 Patent Owner Response at 10](#).

Before SALLY C. MEDLEY, KALYAN K. DESHPANDE, and

mail.”). But unlike the system claimed in the ’290 patent, Kikinis requires remotely stored programs to access the remotely stored electronic documents.

[00029 Patent Owner Response at 9](#); [00031 Patent Owner Response at 9](#); [00040 Patent Owner Response at 11](#); [00044 Patent Owner Response at 11](#).

Alexandria, VA 22313-1450

Patent Owner Response

UNITED STATES PATENT AND TRADEMARK OFFICE

The web browser of Kikinis provides access to the user's home page. *See* Ex. 1005, Col. 7:17-19 (“A subscriber may use the facilities of the Web to access his or her home page on ISP 57 from anywhere on Earth,”); *id.* Col. 7:29-31

00029 Patent Owner Response at 14; 00031 Patent Owner Response at 15;
00040 Patent Owner Response at 17; 00044 Patent Owner Response at 15.

Patent 6,771,290

field 113 of browser 109”). The browser does not access the electronic document data bases without additional software programs stored on remote servers. *See* Ex.

00029 Patent Owner Response at 14; 00031 Patent Owner Response at 15;
00040 Patent Owner Response at 17; 00044 Patent Owner Response at 16.

Mail Stop Patent Board
Patent Trial and Appeal Board
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Petitioners Reply

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

First, BET is attempting to improperly import negative limitations into the claims, and its argument is incorrect as a matter of law. BET does not dispute that Kikinis

[00029 Reply at 2; see also 00040 Reply at 1-6](#)

Title: COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE NETWORK ORGANIZATION SYSTEM AND TARGETED ADVERTISING

PETITIONER'S REPLY TO PATENT OWNER'S RESPONSE TO PETITION UNDER 37 C.F.R. § 42.23

No. IPR2014-00029

Petitioners Reply

IPR2014-00040

UNIT

BEF

Patent Owner's attempt to distinguish Kikinis using its contorted reading of the claim term "program" should be rejected. Specifically, Patent Owner contends Kikinis does not describe a "program" per the claims because the web browser in Kikinis "requires remotely stored programs to access the remotely stored electronic documents." Response at 11. That construction rests on its incorrect and unsupported assertion that the claimed process cannot "utilize programs stored on servers to perform" the functions specified in claims 1 and 2. Response at 2; *see*

00040 Reply at 2.

PETITIONER'S REPLY TO PATENT OWNER'S RESPONSE

The '290 Patent, Claim 2



(12) **United States Patent**
Hoyle

(10) Patent No.: **US 6,771,290 B1**
 (45) Date of Patent: **Aug. 3, 2004**

(54) **COMPUTER INTER-APPARATUS WITH ORGANIZATION SYSTEM ADVERTISING**

(75) Inventor: **Martin Du**
 (US)

(73) Assignee: **B.E. Techn**
 (US)

(*) Notice: Subject to a patent is ex U.S.C. 154

(21) Appl. No.: **09/744**

(22) PCT Filed: **Jul. 16**

(86) PCT No.: **PCT/U**

§ 371 (c)(1), (2), (4) Date: **Apr. 1**

(87) PCT Pub. No.: **WO00**

PCT Pub. Date: **Jan. 2**

Related U.S. Ap

(63) Continuation-in-part of ap Jul. 17, 1998, now Pat. N

(51) Int. Cl. 7

(52) U.S. Cl.

(58) Field of Search

345,763.

(56) Reference

U.S. PATENT

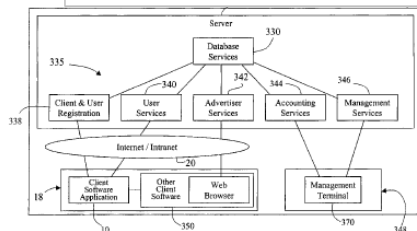
4,602,270 A 7/1986

5,347,632 A 9/1994

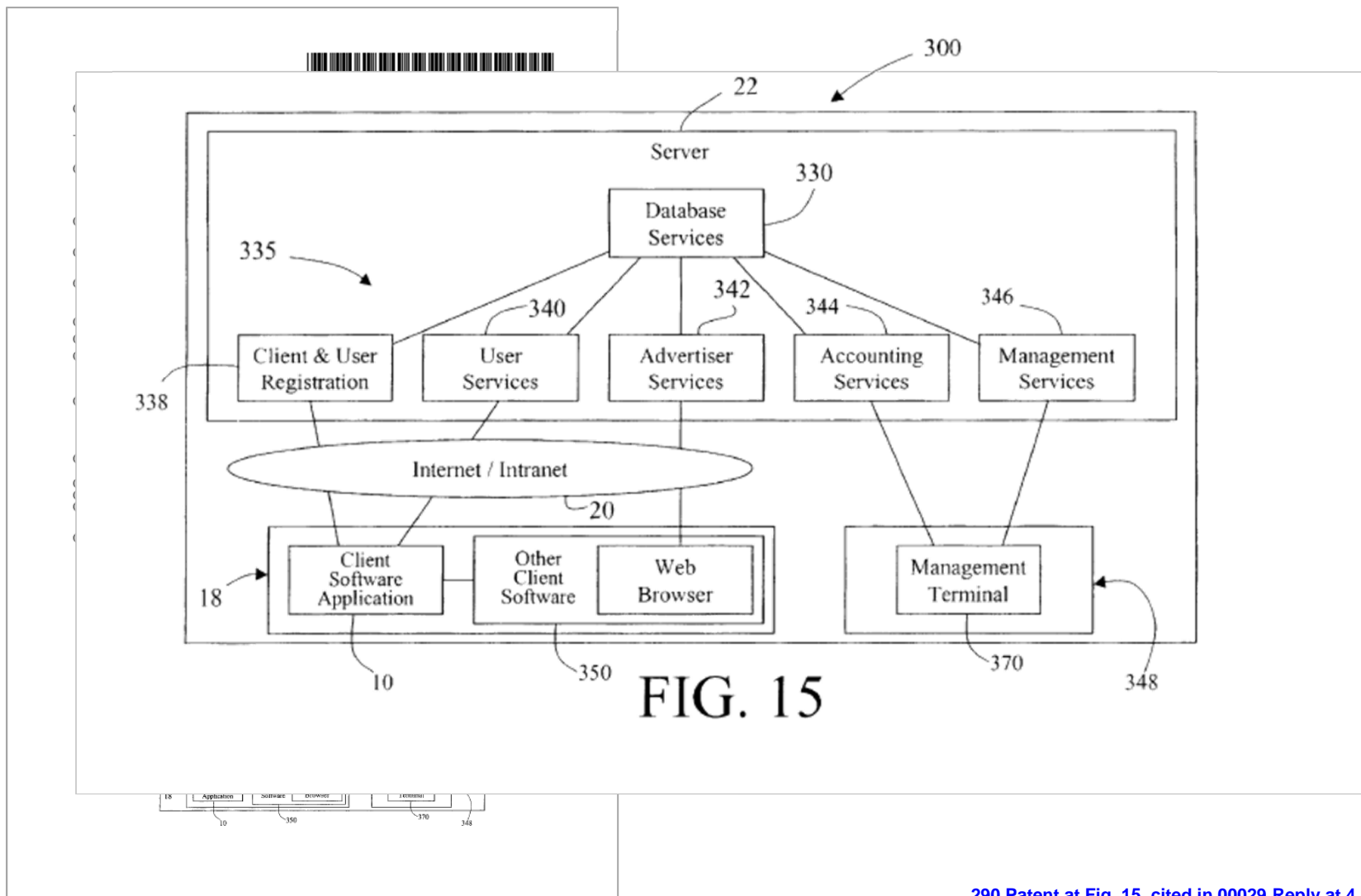
(List continued)

2. A computer-readable memory for use by a client computer in conjunction with a server that is accessible by the client computer via a network, the server storing a user profile and user library for each of a number of different users, with the user library containing one or more files and the user profile containing at least one user link that provides a link to one of the files in the user library, the computer-readable memory comprising:

290 Patent at claim 2, cited in 00029 Reply at 2; 00040 Reply at 5; 00044 Reply at 1.



Petitioners Reply



Petitioners Reply

Referring to FIG. 15, there is shown an overview of a computer system 300 including a client software application 10 and a server 22. The server includes a database services system 330 that comprises several other program modules 335. The database services system 330 possesses those

290 Patent at 30:61-65, cited in 00029 Reply at 3.

(63) Continuation-in-part of application No. 09/118,351, filed on Jul. 17, 1998, now Pat. No. 6,141,010.
(51) Int. Cl.⁷ G06F 15/00

usement will be displayed (e.g., an advertisement for a stock brokerage). This provides two-tiered, real-time targeting of advertising—both demographically and reactively. The software application includes programming that accesses the

344 and a management services module 346. Working together, the program modules 335 act as a single software application that provides the computer user with a fully integrated interface to client software 350 (e.g., software applications) on the user's computer 18, as well as to

290 Patent at 31:5-8, cited in 00029 Reply at 3.

Anticipation by Kikinis

(12) **United States Patent**
Hoyle

(54) **COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE ORGANIZATION SYSTEM AND ADVERTISING**

(75) Inventor: **Martin David Hoyle, (US)**

(73) Assignee: **B.E. Technology, LLC (US)**

(*) Notice: Subject to any disclaimer, this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/744,033**

(22) PCT Filed: **Jul. 16, 1999**

(86) PCT No.: **PCT/US99/16133**

§ 371 (c)(1), (2), (4) Date: **Apr. 11, 2001**

(87) PCT Pub. No.: **WO00/04434**

PCT Pub. Date: **Jan. 27, 2000**

Related U.S. Application

(63) Continuation-in-part of application No. 08/714,101, filed Jul. 17, 1996, now Pat. No. 6,141,010.

(51) **Int. Cl.**

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

(58) **Field of Search**

345/763, 852, 853,

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,602,270 A 7/1986 Freeman

5,347,632 A 9/1994 Flepp et al.

(List continued on next page)

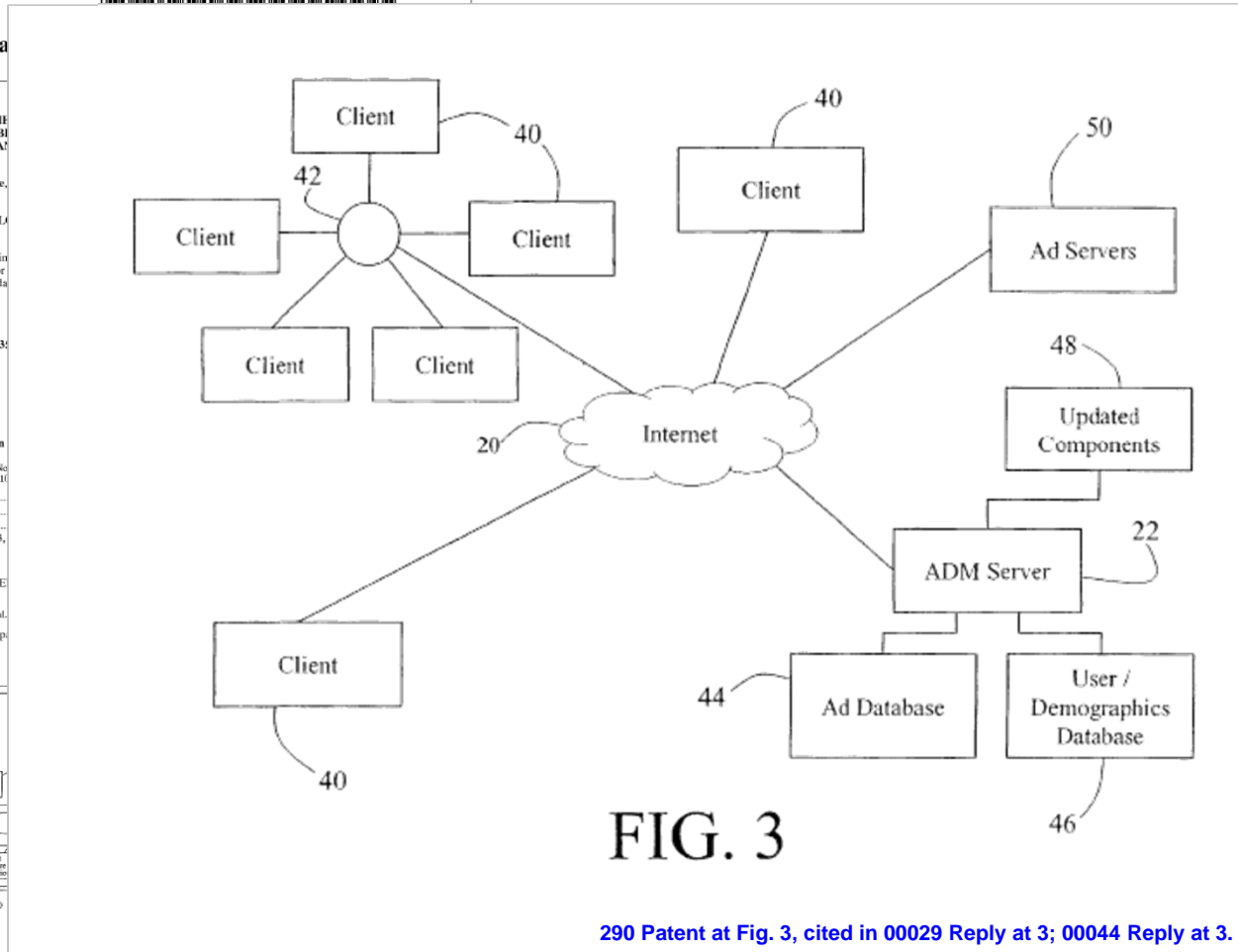
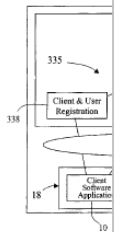


FIG. 3

290 Patent at Fig. 3, cited in 00029 Reply at 3; 00044 Reply at 3.

Petitioners Reply

CORY PLOCK
August 19, 2014

1

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

14 Q I understand that there are a lot of
15 different variations, but is it true that, at a
16 minimum, the web server, itself, must have some
17 software to handle some part of the processing of an
18 HTTP request?

19 A Yes, that's a fair characterization.

[Plock Dep. II at 53:14-19, cited in 00029 Reply at 5; 00044 Reply at 5.](#)

CSI GLOBAL DEPOSITION SERVICES
972-719-5000

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IPR2014-00040
Exhibit 2003 - Page 1

Petitioners Reply

CORY PLOCK
August 19, 2014

1

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

GOOGLE INC.
Petitioner,
v.
B.E. TECHNOLOGY, L.L.C.

DEPOSITION OF

13 Q Sure. Is it correct that there is no
14 way for a web server to serve a file in response to
15 a request without having some software that resides
16 on that web server?

17 A Yes, yes. On a server, software would be
18 required in order to do that.

[Plock Dep. II at 54:13-18, cited in 00029 Reply at 5; 00031 Reply at 4; 00040 Reply at 4; 00044 Reply at 5.](#)

CSI GLOBAL DEPOSITION SERVICES
972-719-5000

B.E. Technology, L.L.C.
IPR2014-00040
Exhibit 2003 - Page 1

Patent Owner Response

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

THE '290 PATENT TEACHES A “ONE-CLICK” SYSTEM.

[00029 Patent Owner Response at 15](#); [00031 Patent Owner Response at 16](#);
[00040 Patent Owner Response at 17](#); [00044 Patent Owner Response at 15](#).

Patent 6,771,290

Before SALLY C. MEDLEY, KALYAN K. DESHPANDE, and
LYNNE E. PETTIGREW, *Administrative Patent Judges*.

PETTIGREW, *Administrative Patent Judge*.

PATENT OWNER'S RESPONSE TO PETITION (37 C.F.R. § 42.120)

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United States Patent and Trademark Office
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Alexandria, VA 22313-1450

Patent Owner Response

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

The '290 patent describes a “one-click” system whereby a user enjoys a direct link from his or her user profile to the files stored in his or her user library.

[00029 Patent Owner Response at 15](#); [00031 Patent Owner Response at 16](#);
[00040 Patent Owner Response at 34](#); [00044 Patent Owner Response at 15](#).

PETTIGREW, *Administrative Patent Judge*.

PATENT OWNER'S RESPONSE TO PETITION
(37 C.F.R. § 42.120)

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Ex. 1001, Claim 2. The critical language is “to access *the file associated with the selected user link* from the user library.” *Id.* (emphasis added). The claim plainly requires a specific file (“the file”) to be associated with a specific user link (“the selected user link”). Claim 2, therefore, specifically claims an association between specific user-selectable links and specific files.

[00029 Patent Owner Response at 16](#); [00031 Patent Owner Response at 17](#); [00040 Patent Owner Response at 35](#); [00044 Patent Owner Response at 18](#), citing 290 Patent at claim 2

(37 C.F.R. § 42.120)

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Alexandria, VA 22313-1450

Petitioners Reply

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

15, 16. The requirement of “one-click” direct file access does not appear in the language of claim 2 or in the '290 Patent’s specification. Instead, BET argues that the

[00029 Reply at 6.](#)

PETITIONER’S REPLY TO PATENT OWNER’S RESPONSE TO
PETITION UNDER 37 C.F.R. § 42.23

No. IPR2014-00029

Petitioners Reply



US006771290B1

(12) **United States Patent**
Hoyle

(10) Patent No.: **US 6,771,290 B1**
(45) Date of Patent: **Aug. 3, 2004**

(54) **COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE NETWORK ORGANIZATION SYSTEM AND TARGETED ADVERTISING**

(75) Inventor: **Martin David Hoyle, Metairie, LA (US)**

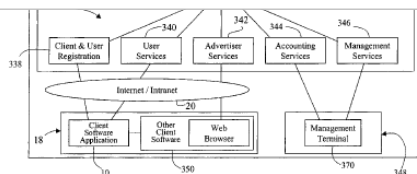
OTHER PUBLICATIONS

Brown, M., Using Netscape™ 3, Special Edition 1996, p. 40, 43, 52, 53, 58, 59, 62-64, 94-109.

Primary Examiner—Cao (Kevin) Nguyen
(74) *Attorney, Agent, or Firm*—Reising, Eihington, Barnes,

files all under the same channel category. The user has the ability to subscribe the channel by making a direct link to a file, or by combining various files under some category, or by providing a drop down list to a subscribed channel. In addition, the entire row of icons can be rotated to different

290 Patent at claim 15:12-15, cited in cited in 00029 Reply at 6; 00031 Reply at 7; 00040 Reply at 7-8; 00044 Reply at 8.



Patent Owner Response

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

[a] selected user link.” Ex. 1001, Col. 40:8. Kikinis discloses, at most, user links associated with databases. Ex. 1005, Col. 6:35-7:4 (A single data base of set 71

00029 Ex. 2001 at ¶ 24, cited 00029 Reply at 7.

Case IPR2014-00040
Patent 6,771,290

45. A POSITA would understand that “data bases” are not synonymous with “files.” A “file” is defined in the ’290 patent as “[a]ny digital item, including

00029 Ex. 2001 at ¶ 25, cited in IPR2014-00029, Reply at 7.

Petitioners Reply



US006771290B1

(12) **United States Patent**
Hoyle

(10) Patent No.: **US 6,771,290 B1**
(45) Date of Patent: **Aug. 3, 2004**

(54) **COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE NETWORK ORGANIZATION SYSTEM AND TARGETED ADVERTISING**

(75) Inventor: **Martin David Hoyle**, Metairie, LA (US)

(73) Assignee: **B.E. Technology, LLC**, Bay City, MI (US)

OTHER PUBLICATIONS

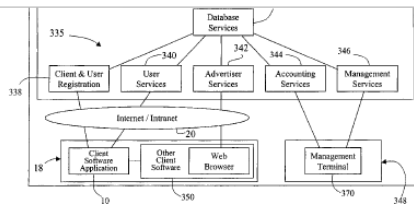
Brown, M., Using Netscape™ 3, Special Edition 1996, p. 40, 43, 52, 53, 58, 59, 62-64, 94-109.

Primary Examiner—Cao (Kevin) Nguyen
(74) *Attorney, Agent, or Firm*—Reising, Eihington, Barnes, Kisselle, P.C.

(57) **ABSTRACT**

file—Any digital item, including information, documents, applications, audio/video components, and the like, that is stored in memory and is accessible via a file allocation table or other pointing or indexing structure.

290 Patent at claim 4:25-28, cited in 00029 Reply at 7; 00044 Reply at 9.



Petitioners Reply

15 Q Fine. Let's put aside the actions that
16 can be taken with a database, and instead think
17 about what you just testified is stored in a memory.
18 Okay? That aspect of the database, what is actually
19 stored in the memory. That's digital, right?

20 A It's stored in digital form, yes.

Plock Dep. II at 63:15-20, cited in 00029 Reply at 7; 00044 Reply at 9-10.

SAMSUNG ELECTRONICS AMERICA, INC.
Petitioner
v.

21 Q Okay. I didn't mean to limit memory to
22 volatile memory.

23 A Oh, okay. So in that case, the data bases
24 would be stored in memory.

Plock Dep. II at 62:21-24, cited in 00029 Reply at 7; 00044 Reply at 9-10.

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972-719-5000

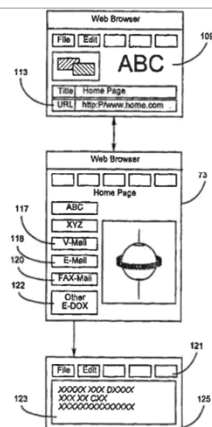
B.E. Technology, L.L.C.
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Exhibit 2003 - Page 1

Petitioners Reply

PCT		WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau	
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)			
(51) International Patent Classification ⁶ : G06F 17/30	A1	(11) International Publication Number: WO 97/09682	(43) International Publication Date: 13 March 1997 (13.03.97)
(21) International Application Number: PCT/IB96/00986	(81) Designated States: CN, JP, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, MC, NL, PT, SE), TW		
(22) International Filing Date: 08/523,005	(30) Priority Data: 08/523,005		
(71) Applicant: ELONEX P NW2 7LF (GB)	(72) Inventor: KIKINIS, Dan 95070 (US)		
(74) Agents: FREED, Arthur, Co., Chancery House, 1QU (GB)			
(54) Title: SERVICE INDEP			
(57) Abstract			
<p>A retrieval and auditing system for electronic documents specifically addressed and forwarded over an Internet connection, including e-mail, voice-mail, and facsimile (FAX) documents, provides a gateway interface in a home page retrievable without regard to a particular Internet Service Provider granting access to the Internet. In a preferred embodiment a security protocol is required to launch the gateway from a home page, ensuring that the person granted access to specifically-addressed electronic documents is the addressee.</p>			

Home page 73, however, is different than conventional home pages, as described above with reference to Fig. 2, having on-screen links to electronic documents reserved for the home page "owner", such as e-mail and faxes.

Kikinis at 7:34-8:1, cited in 00029 Reply at 8; 00031 Reply at 6; 00040 Reply at 7; 00044 Reply at 10.



Patent Owner Response

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

MICROSOFT CORPORATION
Petitioner

v.

KIKINIS DOES NOT DISCLOSE A USER PROFILE.

[00029 Patent Owner Response at 22](#); [00031 Patent Owner Response at 23](#);
[00040 Patent Owner Response at 40](#); [00044 Patent Owner Response at 24](#).

PATENT OWNER'S RESPONSE TO PETITION
(37 C.F.R. § 42.120)

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Alexandria, VA 22313-1450

Patent Owner Response

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

First, there is no disclosure in Kikinis of “user-specific information relating to an individual using a computer” contained within the home page. Despite the fact that Kikinis states that the home is “individualized to a specific client,” Ex. 1005, Col. 6:36, there is no mention of any “user-specific information” found within the home page. In contrast, the user profile disclosed in the ’290 patent

[00029 Patent Owner Response at 22](#); [00031 Patent Owner Response at 23](#);
[00040 Patent Owner Response at 41](#); [00044 Patent Owner Response at 24](#).

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Alexandria, VA 22313-1450

Anticipation by Kikinis

In a preferred embodiment of the present invention, an Internet home page interface is provided comprising **indicia identifying the home page owner**; and an on-screen active selection area for access to an

Kikinis at 3:1-3, cited in IPR2014-00029 Reply at 9; 00031 Reply at 10; 00040 Reply at 9; 00044 Reply at 11.

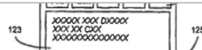
(54) Title: SERVICE INDEPENDENT ELECTRONIC DOCUMENT SERVER

(57) Abstract

A retrieval and auditing and forwarded over an Internet (FAX) documents, provides regard to a particular Internet preferred embodiment a search home page, ensuring that the documents is the addressee.

1. An Internet home page interface comprising: **indicia identifying the home page owner; and**

Kikinis at claim 1, cited in IPR2014-00029 Reply 9



Petitioners Reply



US006771290B1

(12) **United States Patent**
Hoyle

(10) Patent No.: **US 6,771,290 B1**
(45) Date of Patent: **Aug. 3, 2004**

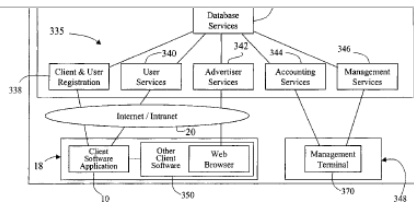
(54) **COMPUTER INTERFACE METHOD AND APPARATUS WITH PORTABLE NETWORK ORGANIZATION SYSTEM AND TARGETED ADVERTISING.**

OTHER PUBLICATIONS

Brown, M., Using Netscape™ 3, Special Edition 1996, p. 40, 43, 52, 53, 58, 59, 62-64, 94-109.

accessible to the user anywhere on the network For example, for a **user profile that includes user identification data**, user hyperlink bookmarks, user hyperlink categories, and user application shortcuts, those components of the profile are accessible from server **22**, including resource names, icons, and the like. In addition to the ability to distribute and

290 Patent at claim 26:17-22, cited in 00029 Reply at 9.



Petitioners Reply

CORY PLOCK
August 19, 2014

1

12 Q And the last one -- well, actually, I
13 guess, in the pack it's listed first, but I'm going
14 in reverse order.

15 So user identification data would also
16 be user-specific information relating to an
17 individual using a computer?

18 A In the context of the present embodiment,
19 yes. I need to amend my previous answers just to
20 clarify one thing.

[Plock Dep. I at 38:12-20, cited in 00029 Reply at 10.](#)

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972-719-5000

B.E. Technology, L.L.C.
IPR2014-00040
Exhibit 2003 - Page 1

Petitioners Reply

CORY PLOCK
August 19, 2014

1

GC
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Ca
Pe
—
19 Q So in the case that the user of the
20 home page was the home page owner, then would
21 indicia identifying the home page owner constitute
22 user-specific information relating to an individual
23 using a computer?

24 A Under the assumption that the user and home
25 page owner are the same entity, then in that case I
1 would agree.

[Plock Dep. I at 41:19-42:1, cited in 00029 Reply at 10-11; 00031 Reply at 10; 00040 Reply at 10.](#)

CSI GLOBAL DEPOSITION SERVICES
972-719-5000

B.E. Technology, L.L.C.
IPR2014-00040
Exhibit 2003 - Page 1

Petitioners Reply

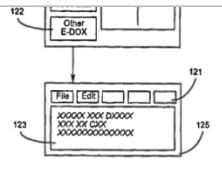
A subscriber may use the facilities of the Web to access **his or her home page** on ISP 57 from anywhere on Earth, and then use the link features in the home page to access the electronic document data bases.

Kikinis at 7:17-18, cited in 00029 Reply at 10.

Co., Chancery House, 33-04 Chancery Lane, London WC2A
1QU (GB).

an embodiment of the present invention. A user invokes browser 109 and enters a URL for **his or her home page** 73 in field 113 of browser 109. An initiation signal then causes control to retrieve home page 73 and display it as an interface to data and other Web destinations.

Kikinis at 7:29-31, cited in 00029 Reply at 10.



Petitioners Reply

Similarly, in the embodiment of the present invention described with reference to Fig. 3, subscribers, using the link buttons 118, 120, and 122 access their e-mail, fax, and other electronic documents.

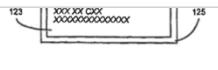
Kikinis at 8:13-15, cited in 00029 Reply at 10; see also 00044 Reply at 12.

(74) Agents: FREED, Arthur, Woolf et al.; Reginald W. Barker & Co., Chancery House, 53-64 Chancery Lane, London WC2A 1QU (GB).

from control juncture 130 in one of several ways. For example, the user may choose to browse the Internet at step 143, enter a URL for his or her home page and jump at step 131, or exit at step 145.

If the user launches his home page, he may, at step 133, launch a desired electronic document access system, which establishes CGI. A

Kikinis at 9:13-17, cited in 00029 Reply at 10; see also 00044 Reply at 12.



The '290 Patent, Claim 1



1. A computer-readable memory for use by a client computer to provide a user of the computer with an integrated, customized, graphical user interface to a plurality of computer resources, the computer-readable memory comprising:

- a non-volatile data storage device;
- a program stored on said non-volatile data storage device in a computer-readable format;
- said program being operable upon execution to display a graphical user interface comprising an application window separated into a number of regions,
- a first one of said regions including a number of graphical objects, at least some of which are each representative of a different software application and are selectable by the user via an input device, wherein said program is operable upon selection of one of said graphical objects to initiate execution of the software application associated therewith;

a second one of said regions including a number of user-selectable items, at least some of which are each associated with a different data set, said data sets each comprising a number of links to different information resources, wherein said program is operable in response to selection of at least one of said items to provide the user with access to its associated data set; said program including a login module that is operable upon execution to identify the user of the computer; and
said program being operable following execution of said login module to provide an identification of the user to the server and to receive from the server a user profile containing one or more user data sets and user links to information resources, with said program further being operable to display in one of said regions a user-selectable item for each of said user data sets and each of said user links.

Claim 1 Anticipated by Kikinis

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION INTERNATIONAL APPLICATION PUBLISHED	
(51) International Patent Classification ⁶ : G06F 17/30	A1
(21) International Application Number: PCT/IB96/009	
(22) International Filing Date: 30 August 1996 (30.08.96)	
(30) Priority Data: 08/523,005 1 September 1995 (01.09.95)	
(71) Applicant: ELONEX PLC (GB/GB); 2 Apsley Way, London NW2 7LF (GB).	
(72) Inventor: KIKINIS, Dan; 20264 Ljepava Drive, Saratoga, CA 95070 (US).	
(74) Agents: FREED, Arthur, Woolf et al.; Reginald W. Barker Co., Chancery House, 53-64 Chancery Lane, London WC2A 1QU (GB).	
(54) Title: SERVICE INDEPENDENT ELECTRONIC DOCUMENTS	
(57) Abstract A retrieval and auditing system for electronic documents stored and forwarded over an Internet connection, including e-mail, voice (FAX) documents, provides a gateway interface in a home page regard to a particular Internet Service Provider granting access to preferred embodiment a security protocol is required to launch home page, ensuring that the person granted access to specifically documents is the addressee.	

As described above, Ex. 1005 (Kikinis) discloses an individualized home page of a user that includes a number of “active selection areas” that provide a link to various computer resources, such as the “V-mail 117,” “E-Mail 118,” and “FAX-Mail 120” software applications depicted in Figure 3. Ex. 1003 at ¶¶ 119-121, 125-126. Upon the user’s selection of one of the “active selection areas” representing a software application, the application will execute in order to provide the user with access to the software application’s associated data—such as the user’s voicemail, e-mail, or faxes. Ex. 1003 at ¶¶ 119-121, 125-126.

Ex. 1005 (Kikinis) also discloses that a user’s individualized home page can provide links to other data bases, such as “a personal multi-lingual dictionary featuring pronunciation, a spelling checker, or a thesaurus; or indeed, almost any other sort of digital data or control routines.” Ex. 1003 at ¶¶ 128, 146; Ex. 1005

00040 Petition at 11

Institution Decision

Trials@uspto.gov
571-272-7822

UNITED STATES

BEFORE THE

Before SALLY C. M.
LYNNE E. PETTIGREW

PETTIGREW, *Admin*

Next, Petitioner submits that user-specific home page 73 in Kikinis is a graphical user interface comprising an application window separated into a number of regions, as recited in claim 1. Pet. 9-10 (citing Ex. 1003 ¶¶ 122, 124-28, 138-39); *see* Ex. 1005, Fig. 3. According to Petitioner, a section of the home page with user-selectable links, shown in Figure 3 of Kikinis, 43). Claim 1 also requires a second region with user-selectable items associated with different data sets (which may be links, according to our claim construction), each of which comprises a number of links to different information resources. Furthermore, Petitioner submits that additional links not shown in Figure 3, such as links for a dictionary, spelling checker, and thesaurus, are user-selectable items in a second region. Pet. 11 (citing Ex. 1005, 8:14-18; Ex. 1003 ¶¶ 144-47). [Institution Decision at 14-15](#)

DECISION
Institution of *Inter Partes* Review
37 C.F.R. § 42.108

Patent Owner Assertion

where each region must contain a number of buttons. The “active selection area” of the Kikinis home page is a single region of the home page, and consequently, Kikinis does not anticipate claim 1 of the ’290 patent.

[PO Resp. at 34](#)

B.E. TECHNOLOGY, L.L.C.
Patent Owner

Case IPR2014-00040
Patent 6,771,290

Before SALLY C. MED
LYNNE E. PETTIGREW
PETTIGREW, *Administr*

PATENT

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Patent Trial and Appeal
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

requirements of the ’290 patent. The Kikinis Reference fails to state that links to these other data bases are associated with different buttons in any specific region of the home page or that they are accessed in a way other than the initiation to a CGI and related application program. Accordingly, there is no basis to conclude that

[PO Resp. at 35](#)

Patent Owner Assertion

UNIT

BEF

1. Claim Construction: “Region.”

Consideration of this issue starts with claim construction. Despite an affirmative obligation to provide a claim construction, 37 C.F.R. § 42.104(b)(3) (“[T]he petition must set forth: (3) [h]ow the challenged claim is to be construed.”), Microsoft failed to construe “region.” *See* Petition at 5-7, 8-12. “Region” is not explicitly defined in the ’290 patent, but it should be construed as

“a non-overlapping part of an application window that is distinct or separate from other parts of the application window wherein each part is characterized by the presence of related functions or features that are different from the functions or

features of another part.” Ex. 2002 ¶ 24. This construction is well supported in the

[PO Resp. at 20](#)

Before SALLY C.
LYNNE E. PET

PETTIGREW, A

P.

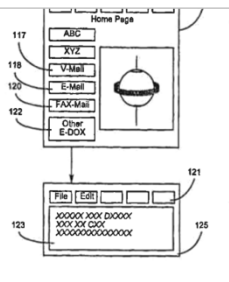
Mail Stop Patent
Patent Trial and
United States Pat
P.O. Box 1450
Alexandria, VA

Claim 1 Anticipated by Kikinis

PCT		WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau	
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)			
(51) International Patent Classification ⁶ : G06F 17/30	A1	(11) International Publication Number: WO 97/09682	(43) International Publication Date: 13 March 1997 (13.03.97)
(21) International Application Number: PCT/IB96/00986			
(22) International Filing Date: 30 August 1996 (30.08.96)			
(30) Priority Data: 08/523,005 1 September 1995 (01.09.95) US			
(71) Applicant: ELONEX PLC (GB/GB); 2 Apsley Way, London NW2 7LF (GB).			
(72) Inventor: KIKINIS, Dan; 20264 Ljepava Drive, Saratoga, CA 95070 (US).			
(74) Agents: FREED, Arthur, Woolf et al.; Reginald W. Barker & Co., Chancery House, 53-64 Chancery Lane, London WC2A 1QU (GB).			
(54) Title: SERVICE INDEPENDENT ELECTRONIC DOCUMENT			
(57) Abstract			
<p>A retrieval and auditing system for electronic documents speed and forwarded over an Internet connection, including e-mail, voice-mail (FAX) documents, provides a gateway interface in a home page regard to a particular Internet Service Provider granting access to preferred embodiment a security protocol is required to launch the home page, ensuring that the person granted access to specifically-ad documents is the addressee.</p>			

Kikinis also discloses a third “region” within Patent Owner’s narrow construction of that term. Specifically, Kikinis shows a user’s individualized home page will contain links “to other data bases, such as a personal multi-lingual dictionary featuring pronunciation, a spelling checker, or a thesaurus; or indeed, almost any other sort of digital data or control routines.” Ex. 1005 (Kikinis) at 8:14-18; Petition at 11; Ex. 1003 at 125-128. Kikinis explains that a person of

00040 Reply at 12-13



Claim 1 Anticipated by Kikinis

PCT WORLD INTELLECTUAL INTERNATIONAL APPLICATION PUBLISHED UNDER THE TREATY	
(51) International Patent Classification ⁶ : G06F 17/30	A1
(21) International Application Number: PCT/IB96/0098	
(22) International Filing Date: 30 August 1996 (30.08.96)	
(30) Priority Data: 08/523,005 1 September 1995 (01.09.95) U	
(71) Applicant: ELONEX PLC (GB/GB); 2 Apsley Way, London NW2 7LF (GB).	
(72) Inventor: KIKINIS, Dan; 20264 Ljepava Drive, Saratoga, CA 95070 (US).	
(74) Agents: FREED, Arthur, Woolf et al.; Reginald W. Barker & Co., Chancery House, 53-64 Chancery Lane, London WC2A 1QU (GB).	

It will be apparent to those with skill in the art that there will be many alterations that might be made in the embodiments of the invention described herein without departing from the spirit and scope of the invention. There are, for example, many designs one might use for a home page interface, and many known methods of affording a user selection to alternative control pathways. Programming, too, is highly

Kikinis at 9:25-30 (cited in 00040 Petitioner Reply at 13)

(54) Title: SERVICE INDEPENDENT ELECTRONIC DOCUMENT SERVER

(57) Abstract

A retrieval and auditing system for electronic documents, specifically addressed and forwarded over an Internet connection, including (FAX) documents, provides a gateway interface in regard to a particular Internet Service Provider grant preferred embodiment a security protocol is required home page, ensuring that the person granted access to documents is the addressee.

Web Browser

alternative control pathways.”). Patent Owner’s expert agreed this passage in Kikinis indicates it is “simple to add the links” to the home page to the “other data bases, such as a personal multi-lingual dictionary featuring pronunciation, a spelling checker, or a thesaurus” disclosed in Kikinis. Ex. 2004 at 85:17-87:14. A

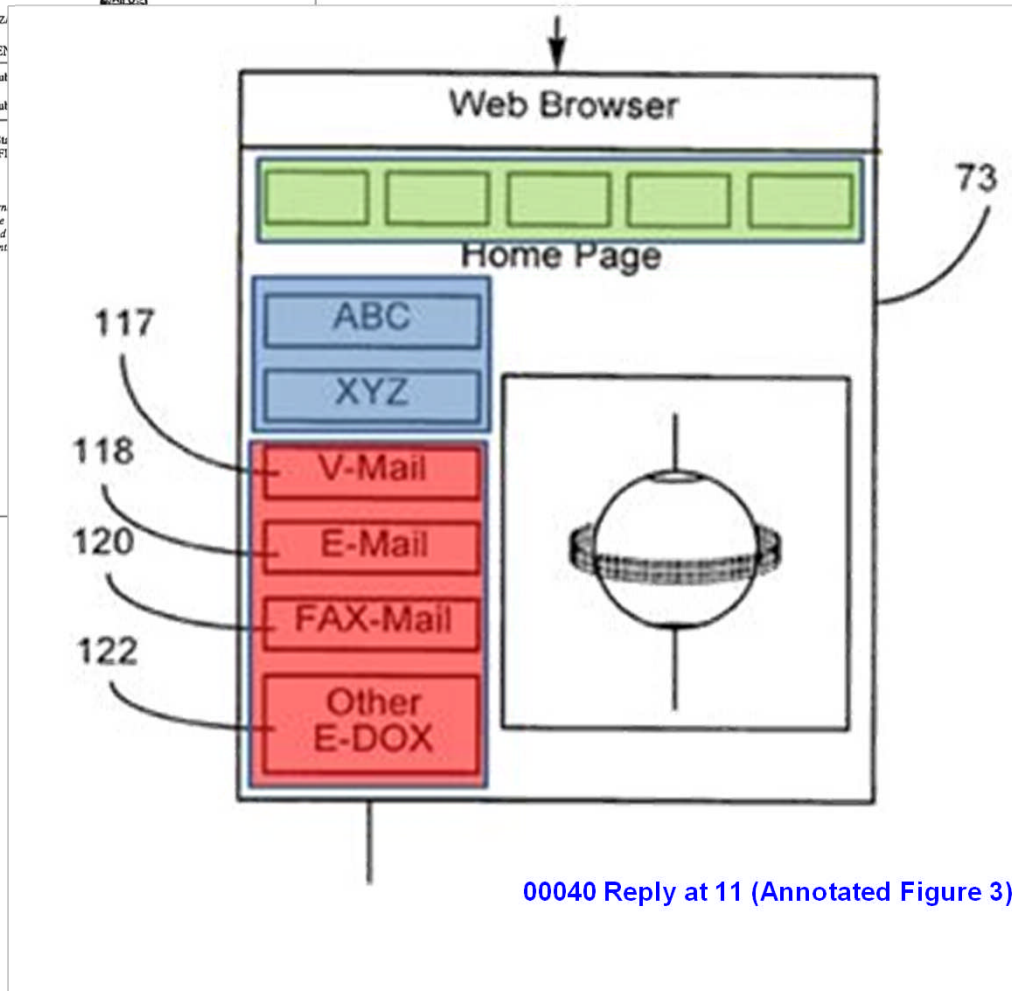
00040 Reply at 13

Claim 1 Anticipated by Kikinis

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International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY

(51) International Patent Classification ⁶ : G06F 17/30	A1	(11) International Publication No. (43) International Publication Date
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(54) Title: SERVICE INDEPENDENT ELECTRONIC DOCUMENT SERVER		
(57) Abstract A retrieval and auditing system for electronic documents specifically addressed and forwarded over an Internet connection, including e-mail, voice-mail, and facsimile (FAX) documents, provides a gateway interface in a home page retrievable without regard to a particular Internet Service Provider granting access to the Internet. In a preferred embodiment a security protocol is required to launch the gateway from a home page, ensuring that the person granted access to specifically-addressed electronic documents is the addressee.		



00040 Reply at 11 (Annotated Figure 3)