US006668353B1

(12) **United States Patent** (10) Patent No.: **US 6,668,353 B1**
Yurkovic (45) **Date of Patent:** **Dec. 23, 2003**

(54) **SPACE/TIME PORTALS FOR COMPUTER SYSTEMS**

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(*) 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.: **09/276,244**

(22) Filed: **Mar. 25, 1999**

(51) Int. Cl.^{7} **G06F 17/21**
(52) U.S. Cl. **715/501.1**; 715/513
(58) Field of Search 707/501.1, 513; 705/14; 715/701.1, 513

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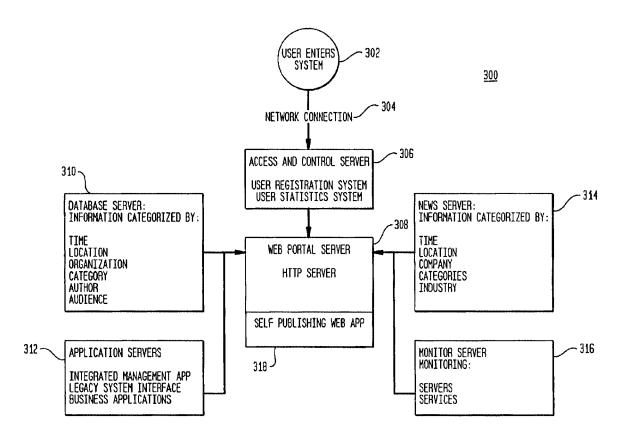
Primary Examiner—Stephen S. Hong

(57) **ABSTRACT**

A portal defines a set of information requests used to gather various types of information in order to present to a user a single composite display that essentially provides the user with his or her own personal web page or view of information. A space/time portal is a particular type of portal whose set of information requests is automatically modified as a function of a specified location or a specified time or both. In one configuration, the specified location and time are themselves selected automatically to modify the space/time portal in real time based on the current location and time for the user. In another configuration, the user can manually change the selection of the specified location and/or time. The space/time portal is then automatically modified based on the new selections, and the composite display is updated in real time accordingly.
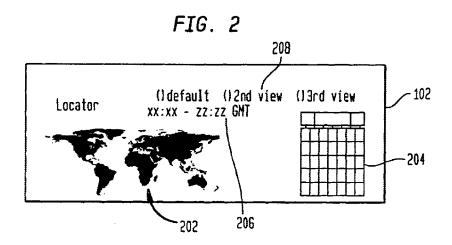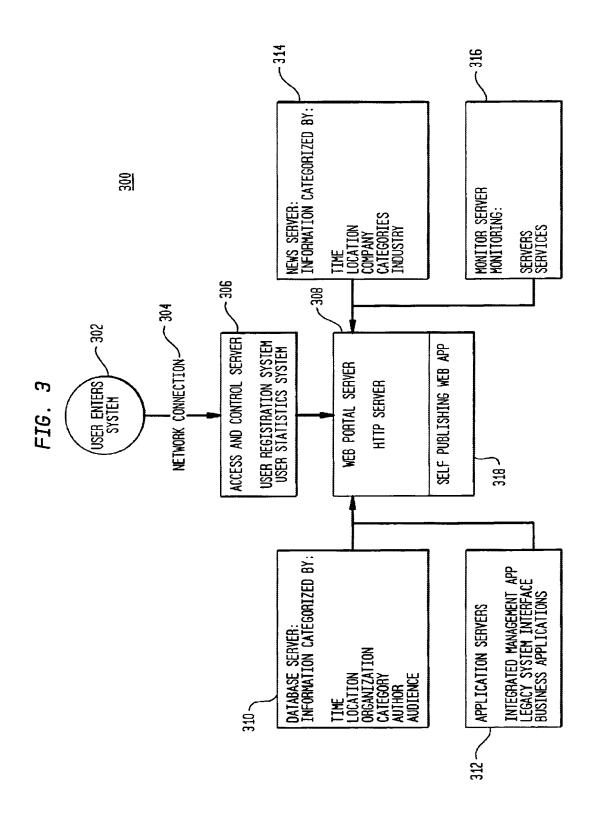
19 Claims, 5 Drawing Sheets

FIG. 1

100

WEB PORTAL VIEW MOCKUP

102 LOCATOR: SPACE AND TIME COMMUNICATIONS TICKER **104** **106** NEWS	SEARCH AREA **108**

Within the right portal area:

SEARCH AREA **108**

YOUR ITEMS:
INTEGRATED MGT APPLICATION

1. ACTION ITEMS
2. CALENDAR
3. CONTACTS
4. SHARED DOCS
5. RESOURCE MGR
6. PERSONAL MEMO   **110**

QUICK LINKS
PERSONALIZED LIST
OF LINKS   **116**

112
BUSINESS APPLICATIONS

118
TRAINING AND REFERENCE

114
SERVICES AND TRANSACTIONS

BUSINESS COMMUNICATIONS
WEB RADIO
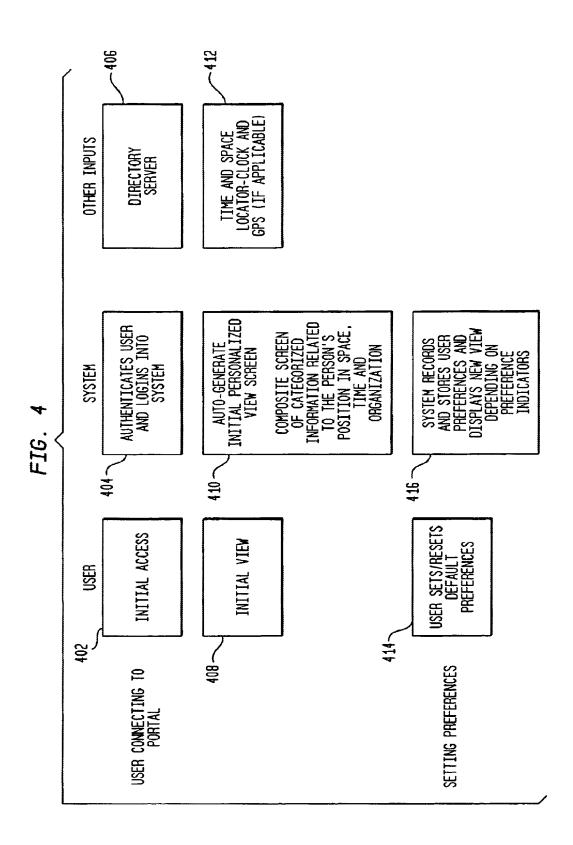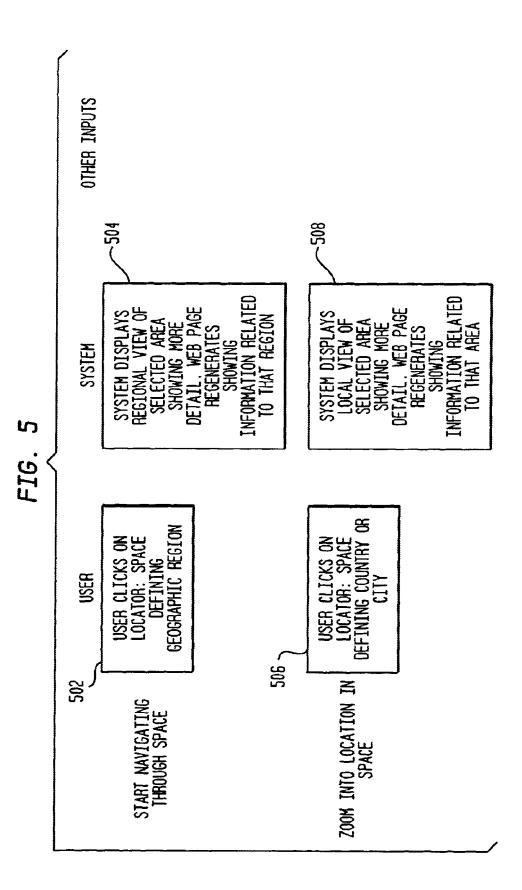**120**   WEB TV

PORTAL COMMUNICATOR BAR   **122**

FIG. 2

208

Locator   ()default ()2nd view ()3rd view   102
            xx:xx - zz:zz GMT

204

202   206

FIG. 3

FIG. 4

OTHER INPUTS

DIRECTORY SERVER — 406

TIME AND SPACE LOCATOR-CLOCK AND GPS (IF APPLICABLE) — 412

SYSTEM

AUTHENTICATES USER AND LOGINS INTO SYSTEM — 404

AUTO-GENERATE INITIAL PERSONALIZED VIEW SCREEN — 410

COMPOSITE SCREEN OF CATEGORIZED INFORMATION RELATED TO THE PERSON'S POSITION IN SPACE, TIME AND ORGANIZATION

SYSTEM RECORDS AND STORES USER PREFERENCES AND DISPLAYS NEW VIEW DEPENDING ON PREFERENCE INDICATORS — 416

USER

INITIAL ACCESS — 402

INITIAL VIEW — 408

USER SETS/RESETS DEFAULT PREFERENCES — 414

USER CONNECTING TO PORTAL

SETTING PREFERENCES

FIG. 5

OTHER INPUTS

SYSTEM

USER

502

START NAVIGATING THROUGH SPACE

USER CLICKS ON LOCATOR: SPACE DEFINING GEOGRAPHIC REGION

504

SYSTEM DISPLAYS REGIONAL VIEW OF SELECTED AREA SHOWING MORE DETAIL. WEB PAGE REGENERATES SHOWING INFORMATION RELATED TO THAT REGION

506

ZOOM INTO LOCATION IN SPACE

USER CLICKS ON LOCATOR: SPACE DEFINING COUNTRY OR CITY

508

SYSTEM DISPLAYS LOCAL VIEW OF SELECTED AREA SHOWING MORE DETAIL. WEB PAGE REGENERATES SHOWING INFORMATION RELATED TO THAT AREA

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