

(12) **United States Patent**
Smith et al.(10) **Patent No.:** **US 6,333,973 B1**
(45) **Date of Patent:** ***Dec. 25, 2001**(54) **INTEGRATED MESSAGE CENTER**(75) Inventors: **Colin Donald Smith**, Ottawa; **Brian Finlay Beaton**, Orleans, both of (CA)(73) Assignee: **Nortel Networks Limited** (CA)

(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

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.: **08/842,020**(22) Filed: **Apr. 23, 1997**(51) Int. Cl.⁷ **H04M 1/64**; H04M 11/00; H04M 3/42; H04Q 7/20(52) U.S. Cl. **379/88.12**; 379/67.1; 379/88.11; 379/88.22; 379/93.08; 455/412; 455/413; 455/466

(58) Field of Search 379/88.01, 88.11, 379/93.01, 93.08, 93.17, 100.01, 100.08, 88.22, 111, 112, 113, 211, 230, 246, 88.12, 114.06, 114.07, 88.23, 88.24; 455/445, 517, 417, 459, 419, 433, 466, 422, 38.1, 412, 413, 414; 370/347, 337, 349, 498, 524; 341/20–23

(56) **References Cited****U.S. PATENT DOCUMENTS**

5,228,029 * 7/1993 Kotzin 370/95.1
 5,283,638 * 2/1994 Engberg et al. 348/14
 5,327,486 * 7/1994 Wolff et al. 379/96
 5,533,102 7/1996 Robinson et al. 379/88.25
 5,557,659 * 9/1996 Hyde-Thomson 379/88
 5,568,540 * 10/1996 Greco et al. 379/88
 5,583,920 * 12/1996 Wheeler, Jr. 379/88
 5,608,786 * 3/1997 Gordon 379/100
 5,719,918 * 2/1998 Serbetcioglu et al. 379/58

5,742,905 * 4/1998 Pepe et al. 455/461
 5,794,142 * 8/1998 Vantilla et al. 455/419
 5,815,506 * 9/1998 Gokhale 370/524
 5,842,141 * 11/1998 Vaihoja et al. 455/574

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

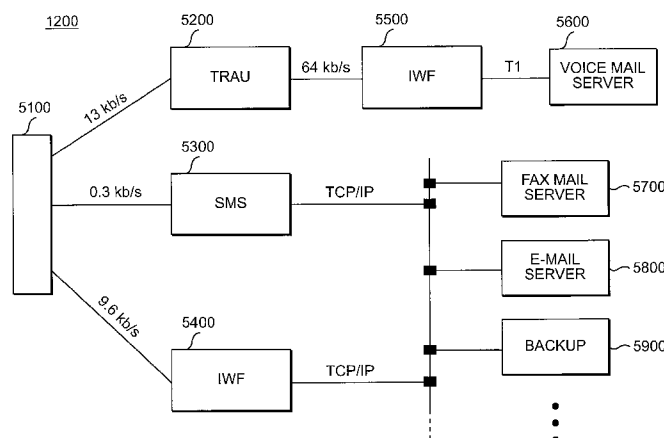
0 630 141 12/1994 (EP) .
 0 691 777 1/1996 (EP) .
 WO 96 15490 5/1996 (EP) .
 8268227 10/1996 (JP) .

OTHER PUBLICATIONS

Hattori et al., "A Multimedia Intelligent Message Communication System for Distributed Coordination Environments," Electronics & Communications in Japan, Part 1—Communications, vol. 76, No. 1, Jan. 1, 1993, pp. 11–23.
 "Nokia 9000 Communicator User's Manual," Nokia Corporation, 1996, pp. 1–1 through 16–1 (48 pages total).

Primary Examiner—Allan Hoosain(74) *Attorney, Agent, or Firm*—Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.(57) **ABSTRACT**

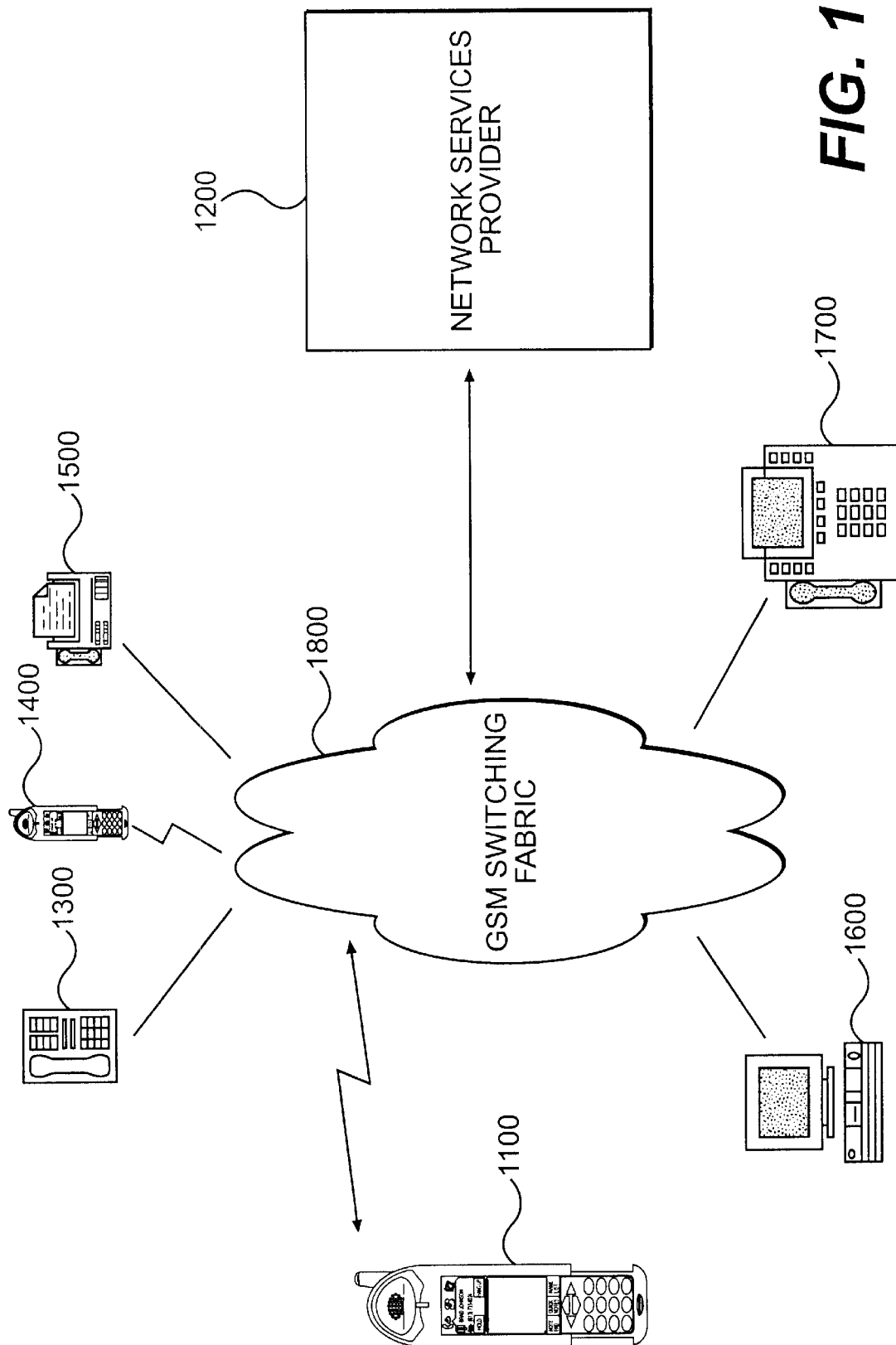
An integrated message center operates on telecommunications equipment, having a display and a processor, to consolidate messages of different types for viewing and manipulation by a user. The telecommunications equipment receives notification messages corresponding to pending messages of different types and determines the message type of the pending messages. The integrated message center associates a message type indicator with each of the received notification messages based on the determined message type and displays on the display a portion of the received notification messages and the associated message type indicators as entries in a single selectable list. The user can select one of the pending messages for retrieval based on the entries in the single selectable list. In response to user selection, the integrated message center retrieves the selected pending message for viewing and manipulation by the user.

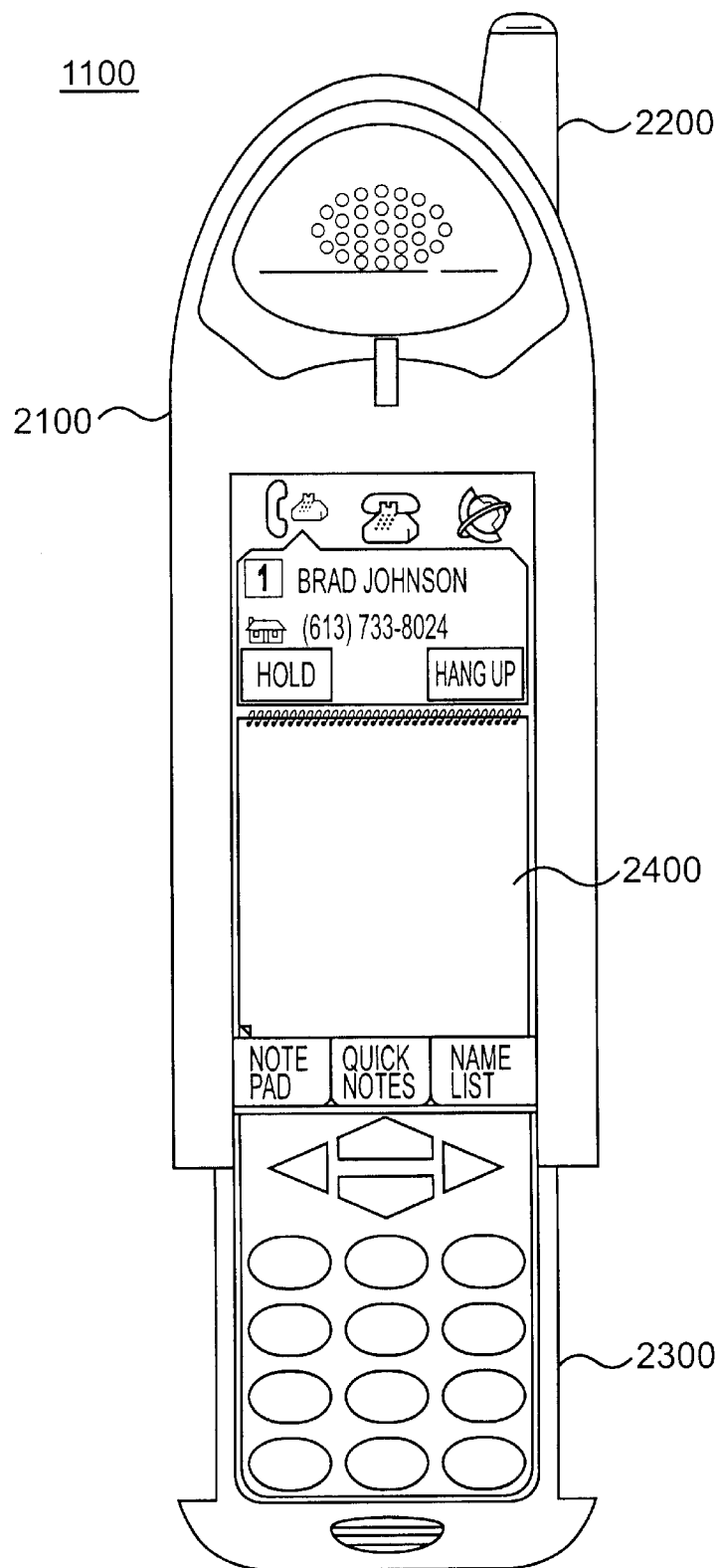
33 Claims, 16 Drawing Sheets

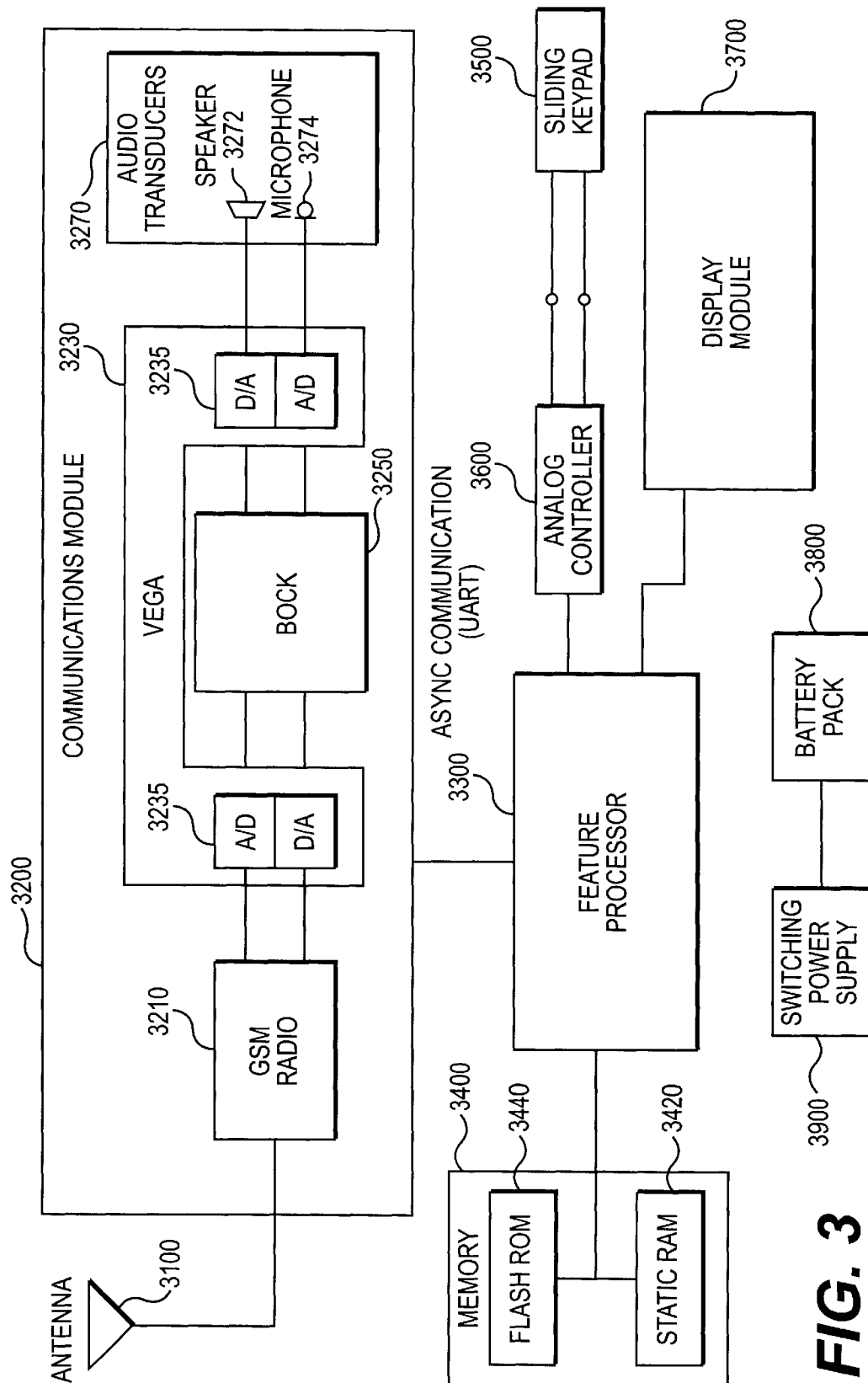
U.S. PATENT DOCUMENTS

5,870,549	*	2/1999	Bobo, II	395/200,36	5,966,663	*	10/1999	Gleason	455/466
5,903,832	*	5/1999	Seppanen et al.	455/414	6,055,424	*	4/2000	Tornqvist et al.	455/414
5,905,959	*	5/1999	Foladare et al.	455/445	6,205,139	*	3/2001	Voit	370/389
5,911,485	*	6/1999	Rossman	34/22					

* cited by examiner



**FIG. 2**

**FIG. 3**

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.