



US005983366A

United States Patent [19] King

[11] **Patent Number:** 5,983,366
[45] **Date of Patent:** Nov. 9, 1999

[54] **DATA PROCESSING SYSTEM HAVING MONITORING OF SOFTWARE ACTIVITY**

[75] Inventor: **Michael Roy King**, Axams, Austria

[73] Assignee: **Optimay Corporation**

[21] Appl. No.: **08/820,836**

[22] Filed: **Mar. 19, 1997**

[51] **Int. Cl.⁶** **G06F 11/00**

[52] **U.S. Cl.** **714/38**

[58] **Field of Search** 395/183.14, 183.15, 395/183.21, 184.01, 185.04, 183.22, 704, 705, 712; 371/25.1, 27.5

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,707,725	12/1972	Dellheim	395/185.14
4,802,165	1/1989	Ream	395/183.14
5,121,489	6/1992	Andrews	395/183.14
5,124,103	6/1992	Hill et al.	395/183.21
5,297,274	3/1994	Jackson	395/183.11
5,347,649	9/1994	Alderson	395/183.04
5,642,478	6/1997	Chen et al.	395/183.21
5,671,351	9/1997	Wild et al.	395/183.14
5,748,964	5/1998	Gosling	395/183.14

Primary Examiner—Robert W. Beausoliel, Jr.
Assistant Examiner—Pierre E. Elisca

Attorney, Agent, or Firm—Dickstein Shapiro Morin & Oshinsky LLP

[57] **ABSTRACT**

A method of tracing execution of a computer program of a data processing system with print messages is disclosed. The method includes providing a trace definition file containing a plurality of trace definitions, each trace definition is an encoded identification of each print message to be used with the tracing of execution of the computer program of the data processing system and a format display specification of an output for providing a trace of the execution of the computer program; providing information from the trace definition file to the data processing system which is executed with the computer program; providing information from the trace definition file to a host processor; the host processor communicating with the data processing system to identify selected parts of the computer program to be traced; in response to execution of the computer program transmitting trace information from the data processor to the host processor associated with the selected parts of the application program being traced; and the host processor, in response to transmission of the trace information from the data processor and in response to the information provided from the trace definition file causing the output for enabling tracing of the execution of the selected parts of the computer program.

36 Claims, 5 Drawing Sheets

Microfiche Appendix Included
(2 Microfiche, 196 Pages)

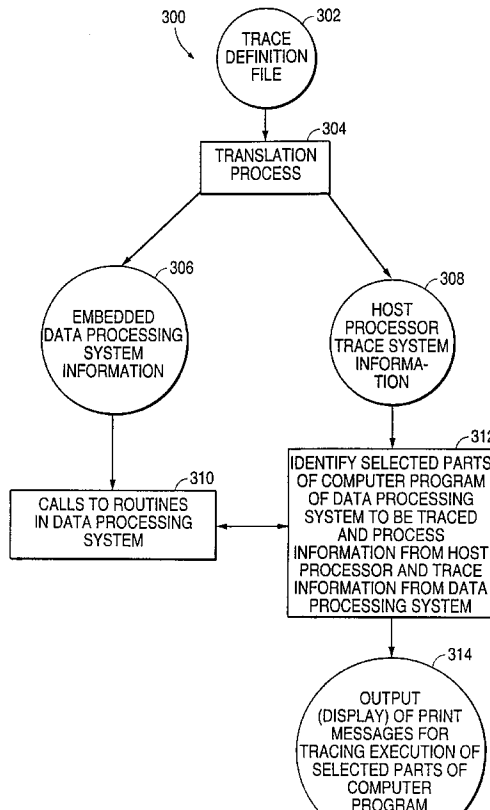


FIG. 2
(PRIOR ART)

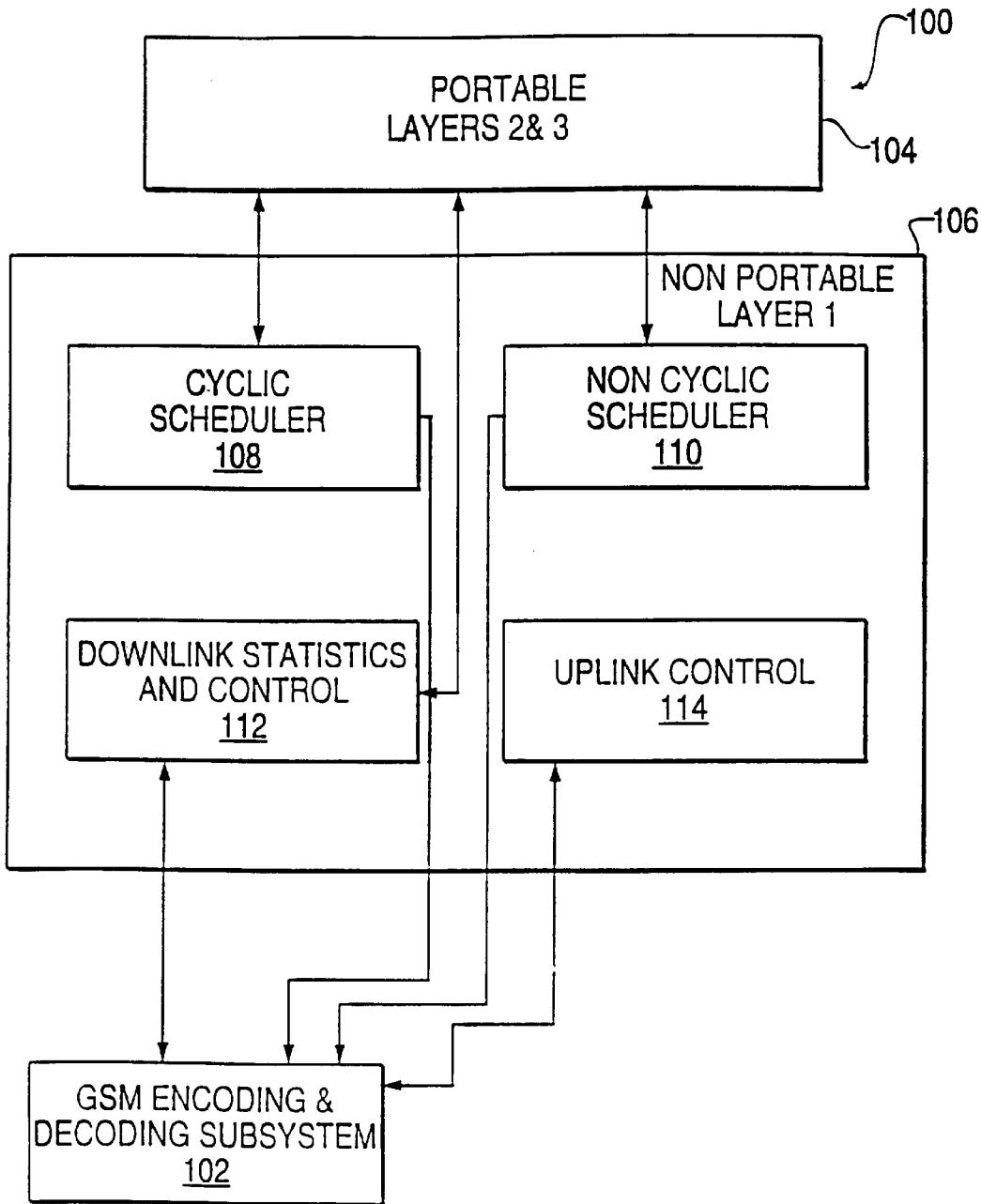


FIG. 3
PRIOR ART

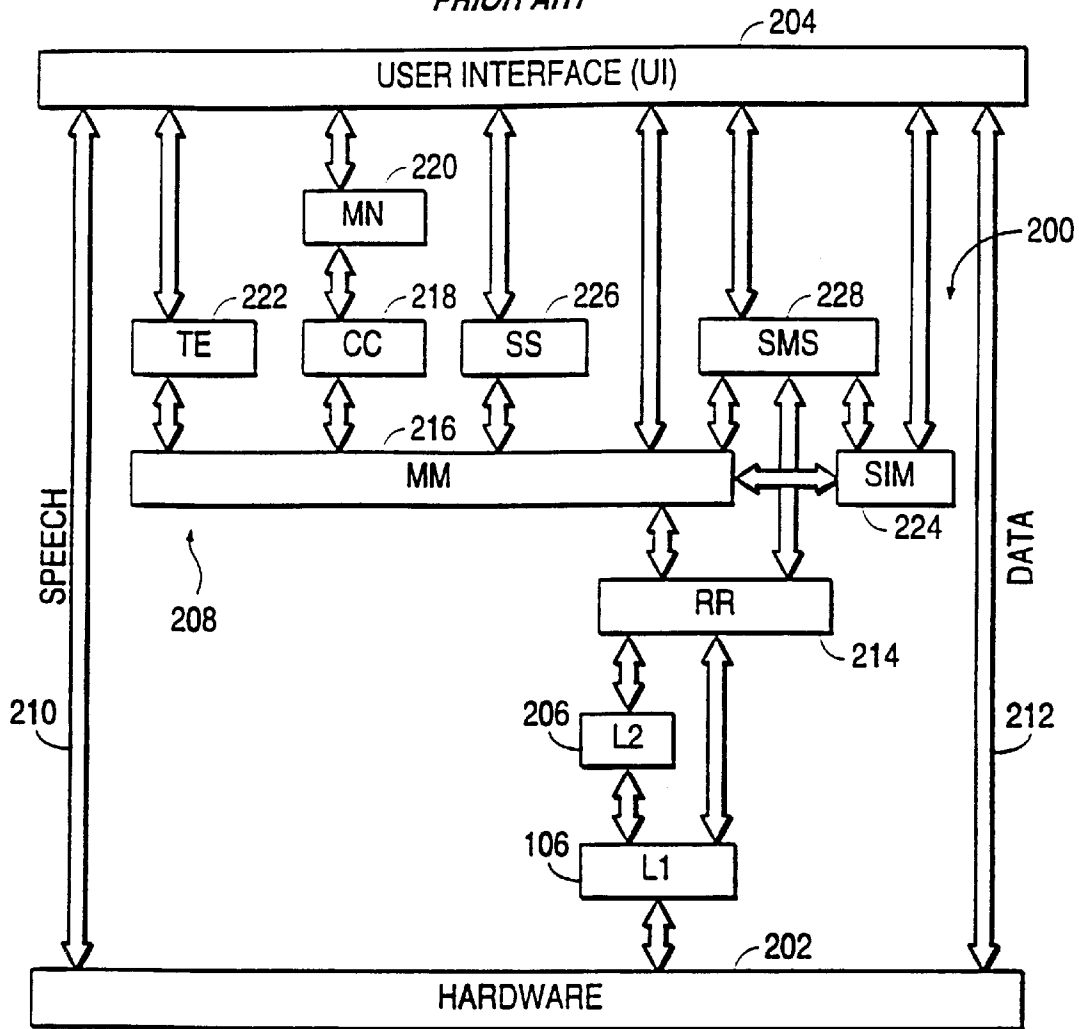
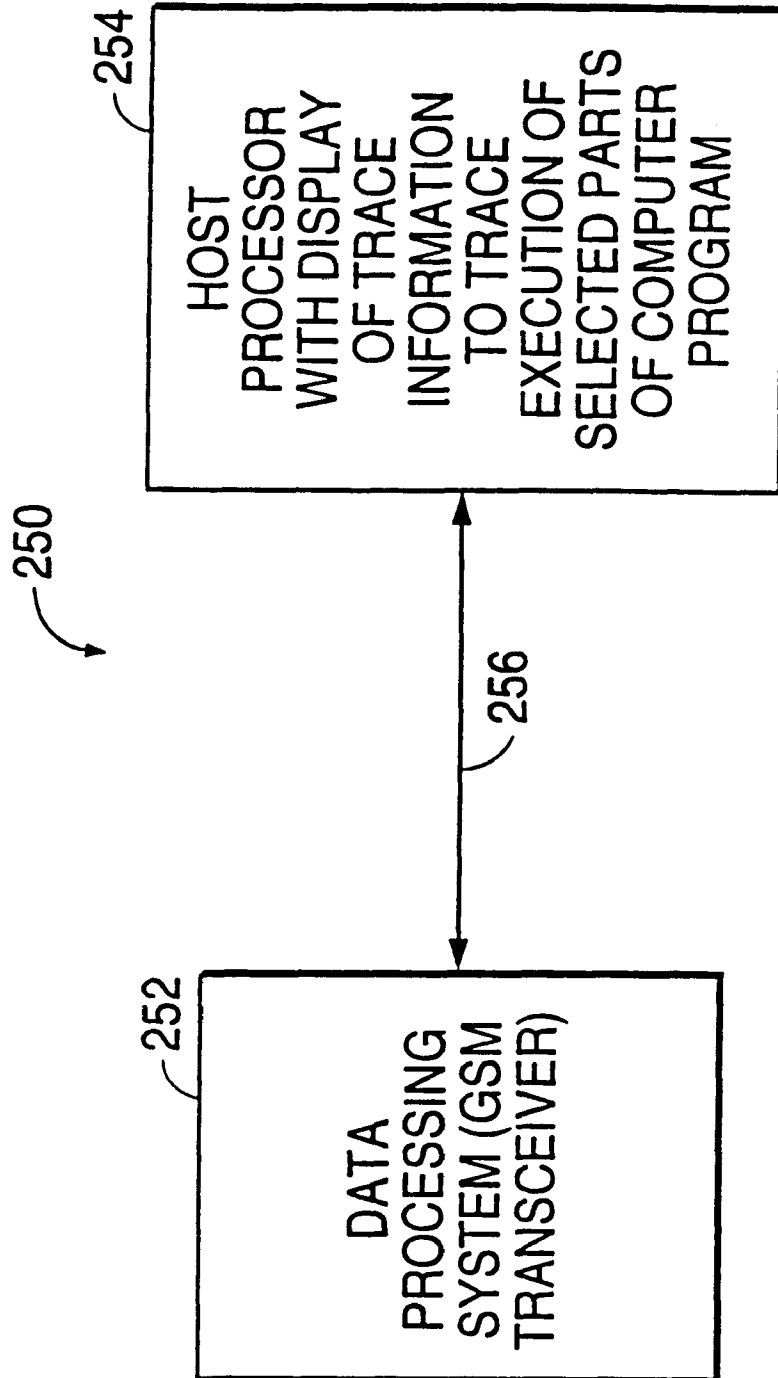


FIG. 4



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.