



US006927770B2

(12) **United States Patent**
Ording

(10) **Patent No.:** **US 6,927,770 B2**
(45) **Date of Patent:** **Aug. 9, 2005**

(54) **INTERFACE PROVIDING CONTINUOUS FEEDBACK ON TASK PROGRESS IN A COMPUTER OPERATING SYSTEM**

5,953,010 A * 9/1999 Kampe et al. 345/772
6,038,588 A * 3/2000 Nagarajayya et al. 718/102
6,396,518 B1 * 5/2002 Dow et al. 345/772
6,492,983 B2 * 12/2002 Nishitani et al. 345/213

(75) Inventor: **Bas Ording**, Sunnyvale, CA (US)

OTHER PUBLICATIONS

(73) Assignee: **Apple Computer Inc.**, Cupertino, CA (US)

Stopwatch Pointer: A Dynamic Progress Indicator, Jun. 1992, IBM, Technical Disclosure Bulletin NB920649.*
Apple Computer Inc., Application Kit Reference, 1997, Apple Computer Inc., pp 1-7.*

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 521 days.

* cited by examiner

(21) Appl. No.: **09/754,052**

Primary Examiner—Almis R. Jankus

(22) Filed: **Jan. 5, 2001**

(74) *Attorney, Agent, or Firm*—Burns Doane Swecker & Mathis, LLP

(65) **Prior Publication Data**

(57) **ABSTRACT**

US 2001/0055017 A1 Dec. 27, 2001

A user interface provides continuous feedback to a user regarding progress toward completion of a task being monitored in a status dialogue window. In one embodiment, the progress is indicated by a graphic element such as a progress bar, whose size is increased to fill a space of predetermined area by an amount corresponding to the percentage of the task completed, and a user is provided with feedback indicated that the computer operating system is performing the desired task by continuously varying the appearance of the progress bar. This provides the user with intuitive feedback that, regardless of any delays in the increase of the progress bar's size, the computer is continuing to perform the desired task.

Related U.S. Application Data

(60) Provisional application No. 60/174,613, filed on Jan. 5, 2000.

(51) **Int. Cl.**⁷ **G06T 13/00**

(52) **U.S. Cl.** **345/440; 345/772**

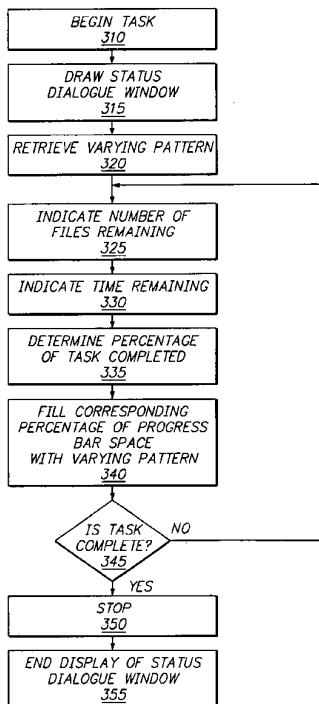
(58) **Field of Search** **345/772, 213, 345/440**

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,528,744 A * 6/1996 Vaughton 345/772

22 Claims, 4 Drawing Sheets



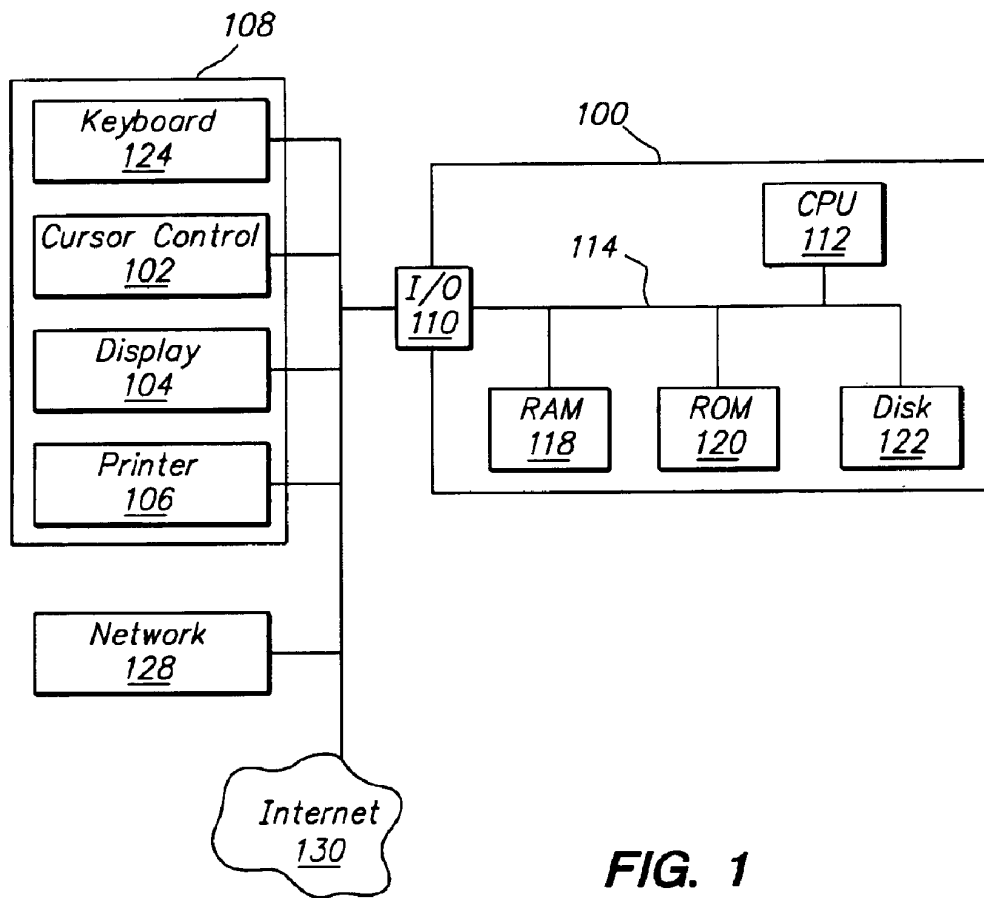
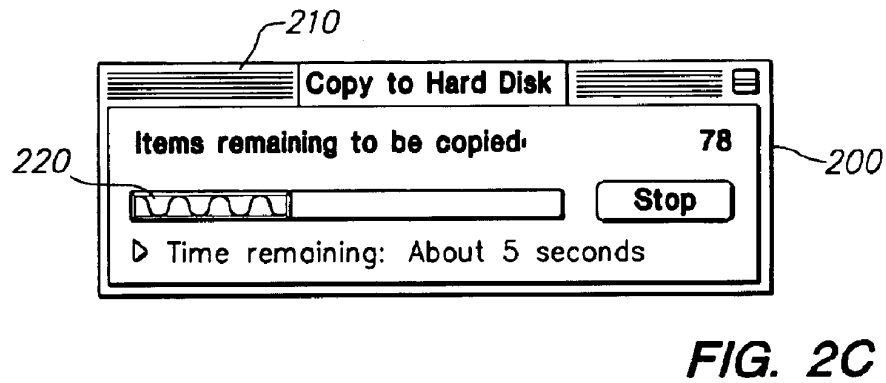
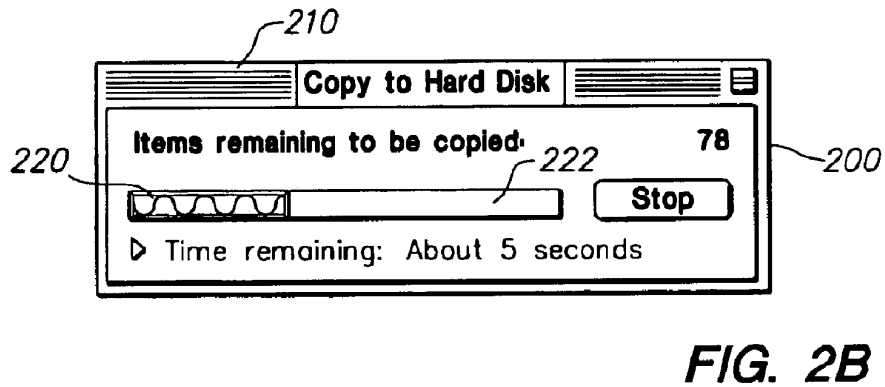
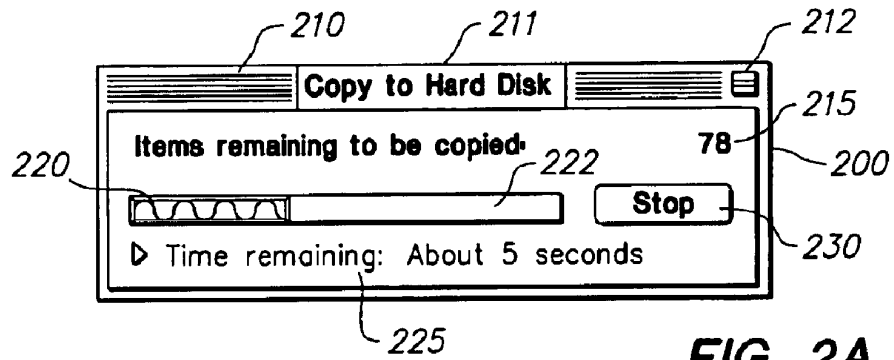


FIG. 1



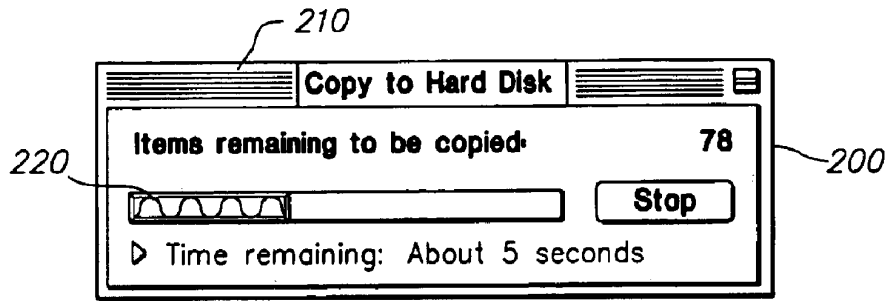


FIG. 2D

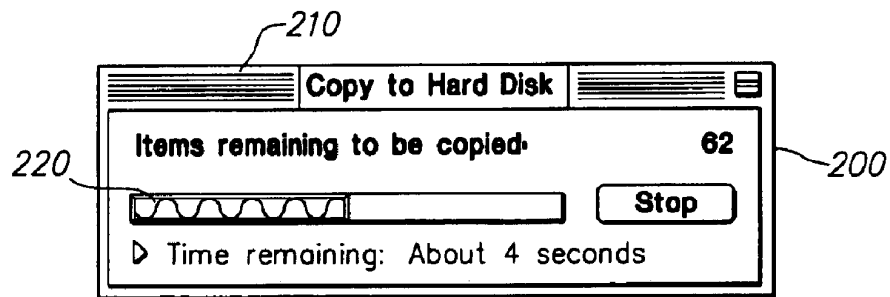


FIG. 2E

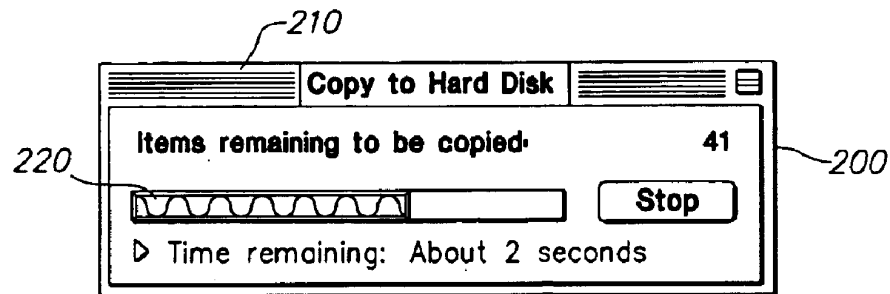


FIG. 2F

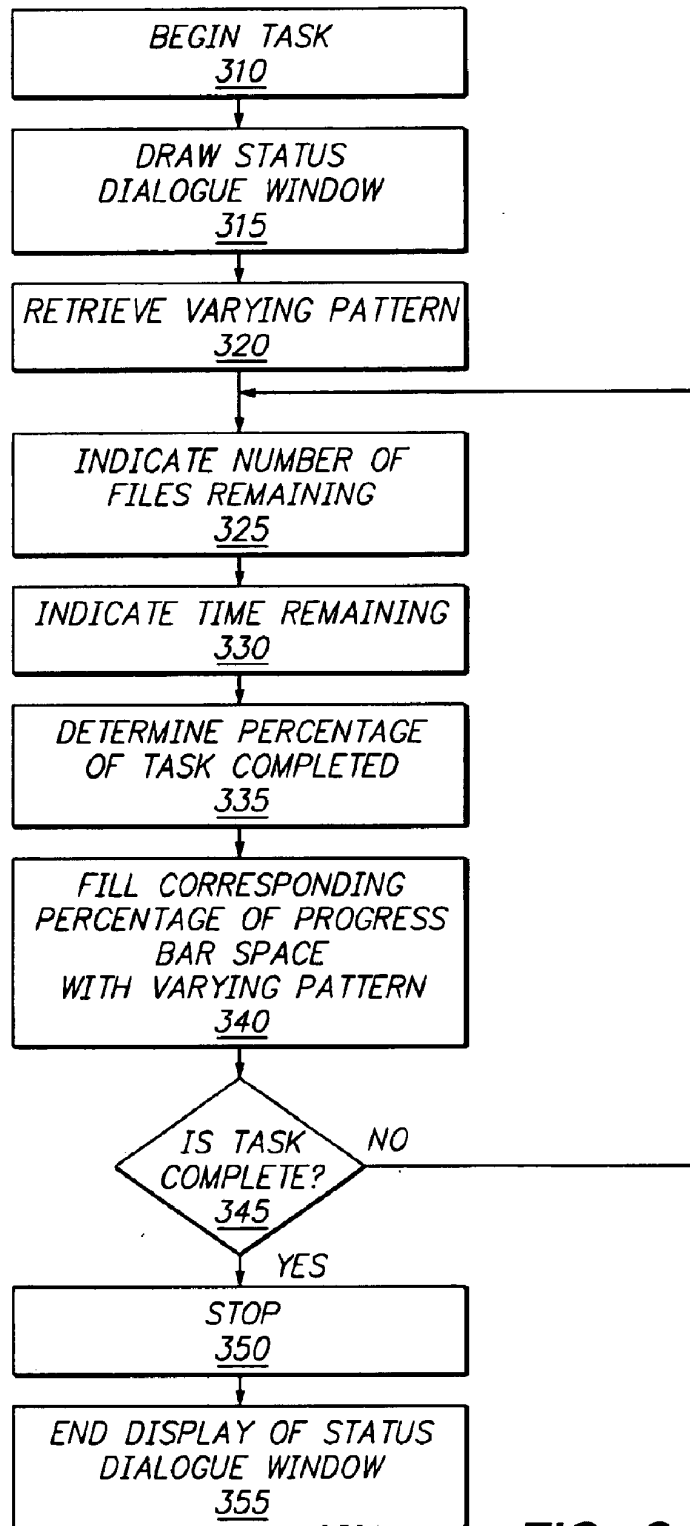


FIG. 3

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.