

(12) **United States Patent**  
**Kumar**

(10) **Patent No.:** **US 6,640,268 B1**  
(45) **Date of Patent:** **Oct. 28, 2003**

- (54) **DYNAMIC POLLING MECHANISM FOR WIRELESS DEVICES**
- (75) Inventor: **Mohan Kumar**, Beaverton, OR (US)
- (73) Assignee: **Intel Corporation**, Santa Clara, CA (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.

5,070,536 A	*	12/1991	Mahany et al. ....	455/67.14
5,249,269 A	*	9/1993	Nakao et al. ....	709/225
5,483,676 A	*	1/1996	Mahany et al. ....	455/67.14
5,555,414 A	*	9/1996	Hough et al. ....	710/261
5,659,787 A	*	8/1997	Schieltz ....	709/226
5,766,076 A	*	6/1998	Pease et al. ....	463/27
5,768,148 A	*	6/1998	Murphy et al. ....	364/528.21
5,787,256 A	*	7/1998	Marik et al. ....	709/238
5,896,561 A	*	4/1999	Schrader et al. ....	455/67.1
6,195,712 B1	*	2/2001	Pawlowski et al. ....	710/19
6,449,663 B1	*	9/2002	Carney et al. ....	710/15

\* cited by examiner

- (21) Appl. No.: **09/141,860**
- (22) Filed: **Aug. 28, 1998**
- (51) **Int. Cl.<sup>7</sup>** ..... **G06F 13/10**
- (52) **U.S. Cl.** ..... **710/46; 710/15**
- (58) **Field of Search** ..... 709/226, 228, 709/225, 238; 710/241, 46-49, 15-19; 463/27; 455/67

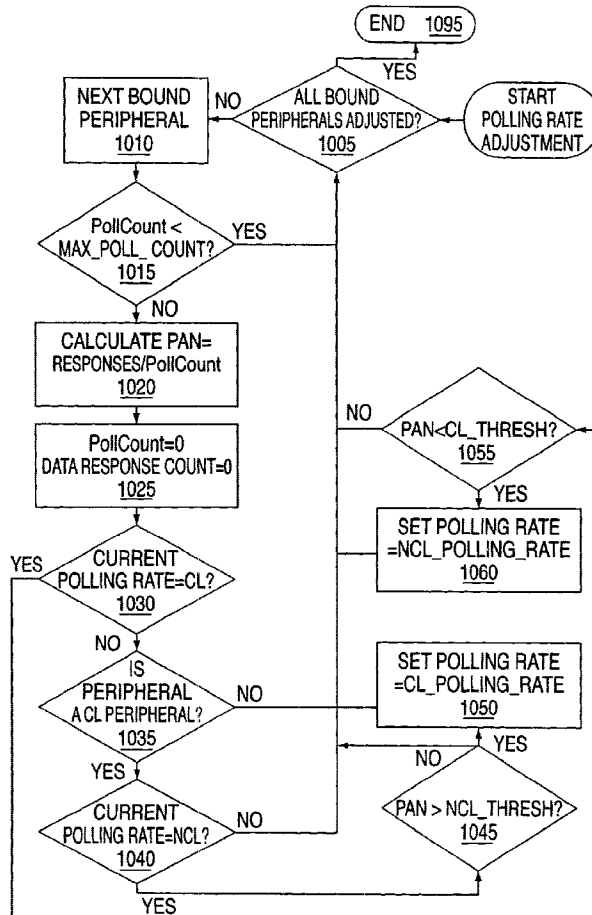
*Primary Examiner*—Christopher B. Shin  
(74) *Attorney, Agent, or Firm*—Kenyon & Kenyon

(57) **ABSTRACT**

In a system in which a polling devices polls one or more devices, a method and apparatus are described that allows the polling device to adjust the polling rate of all polled devices with which it is communicating based upon the activity level of each polled device. This dynamic polling scheme permits a much more efficient allocation of bandwidth than is available with static or fixed polling schemes.

- (56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
4,598,363 A \* 7/1986 Clark et al. .... 710/46  
4,638,428 A \* 1/1987 Gemma et al. .... 710/241

**52 Claims, 13 Drawing Sheets**



Rembrandt Wireless

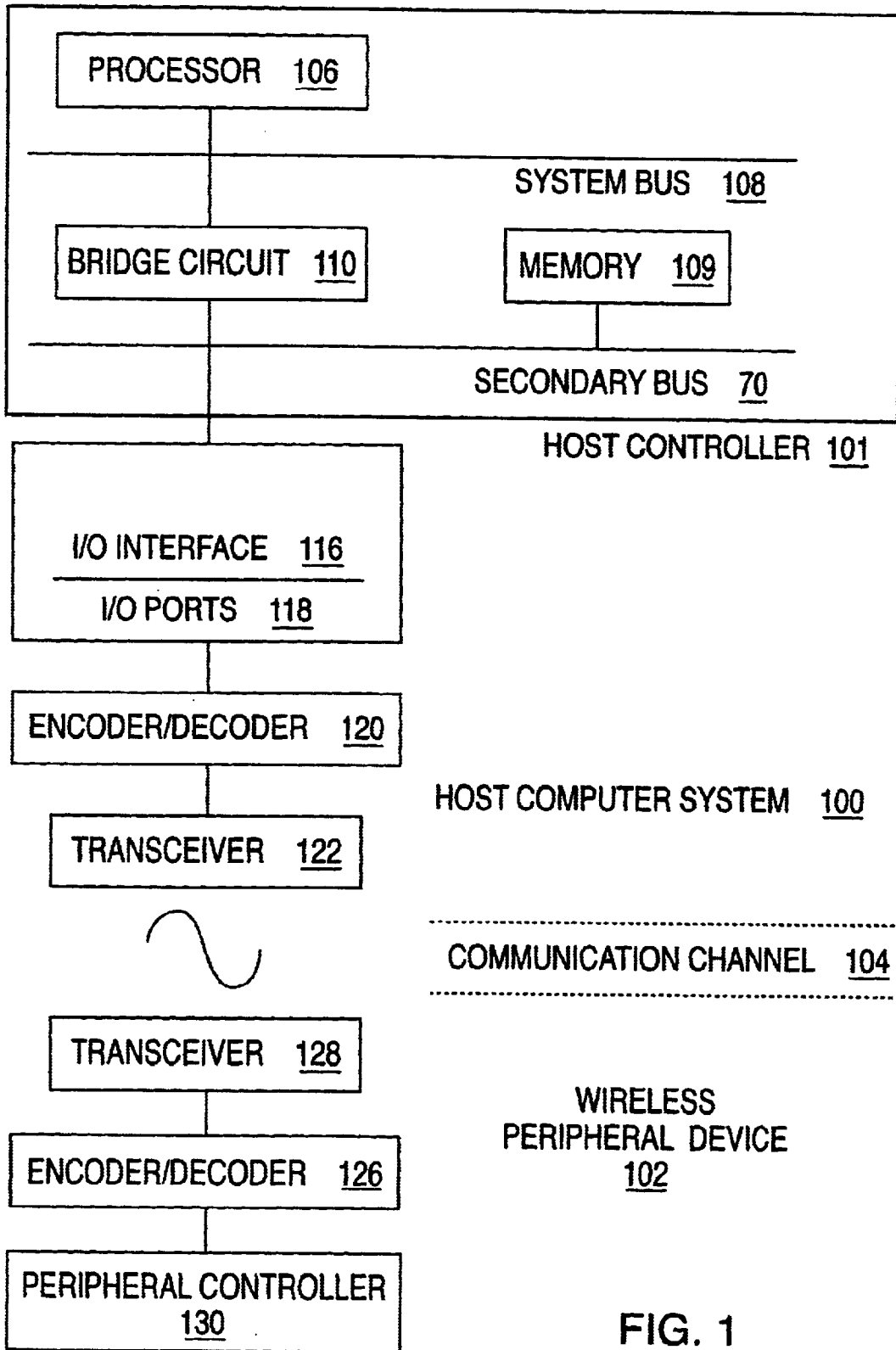


FIG. 1

Rembrandt Wireless

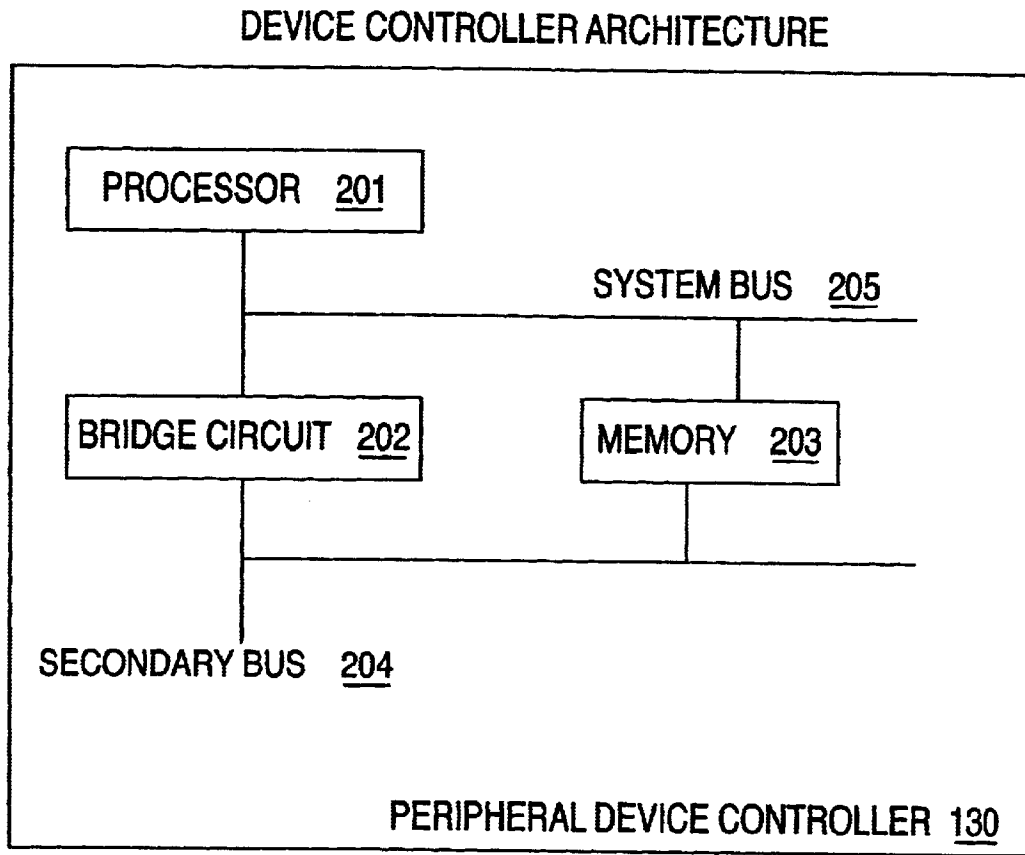


FIG. 2

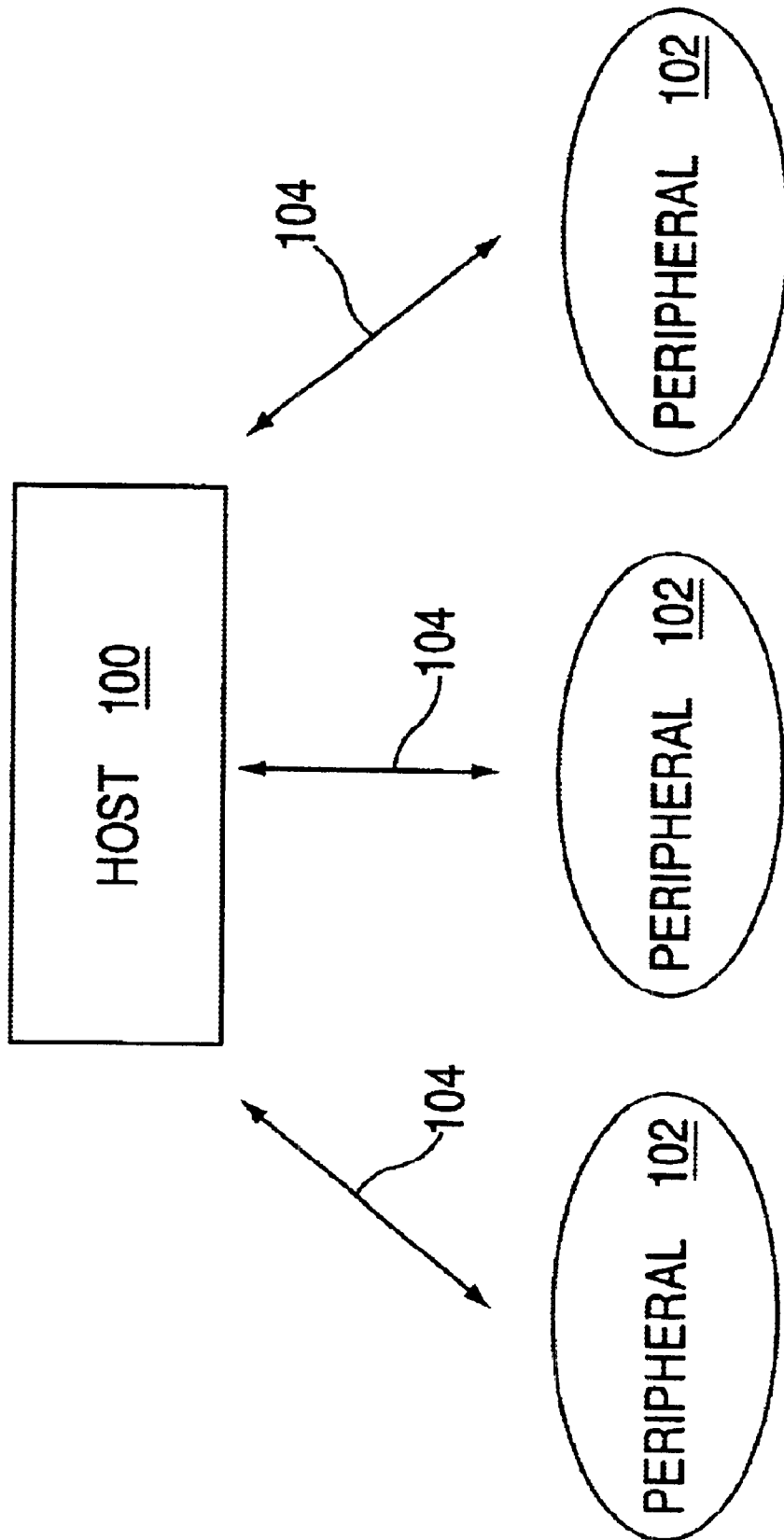
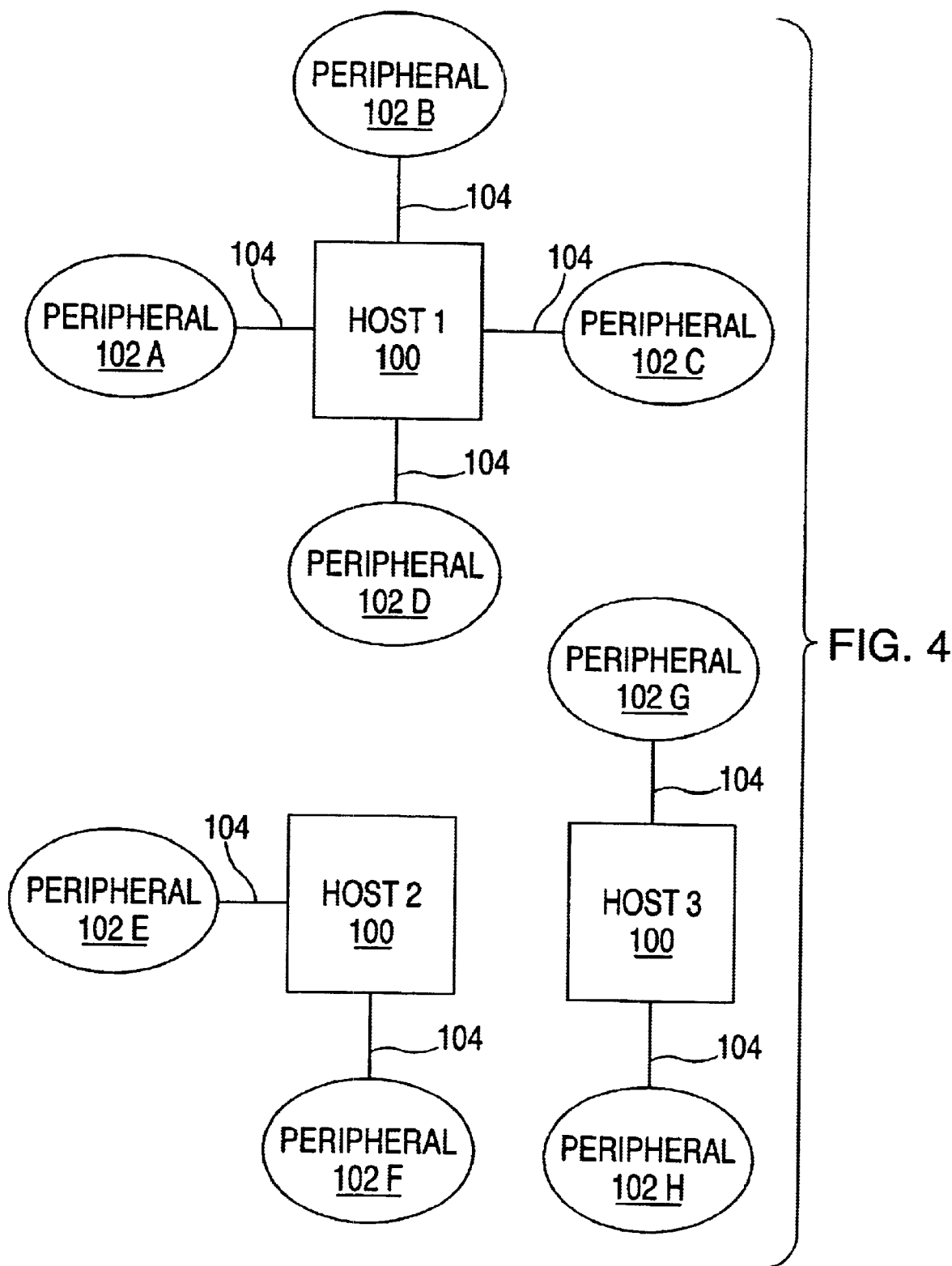


FIG. 3

Rembrandt Wireless



Rembrandt Wireless

# 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.