

(12) **United States Patent**
Kumar

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- (54) **DYNAMIC POLLING MECHANISM FOR WIRELESS DEVICES**
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- (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.

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- (21) Appl. No.: **09/141,860**
- (22) Filed: **Aug. 28, 1998**
- (51) **Int. Cl.⁷** **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

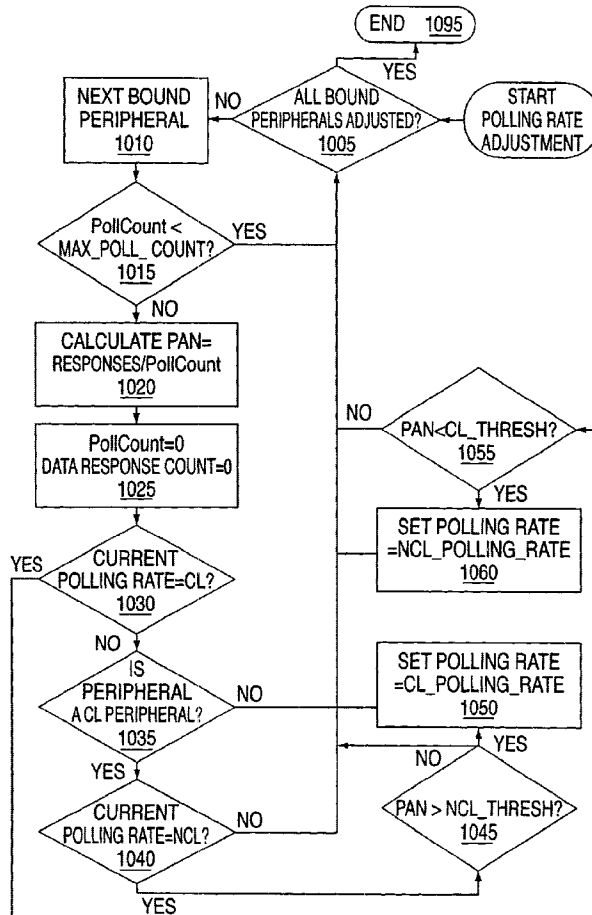
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(57) **ABSTRACT**

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.

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52 Claims, 13 Drawing Sheets



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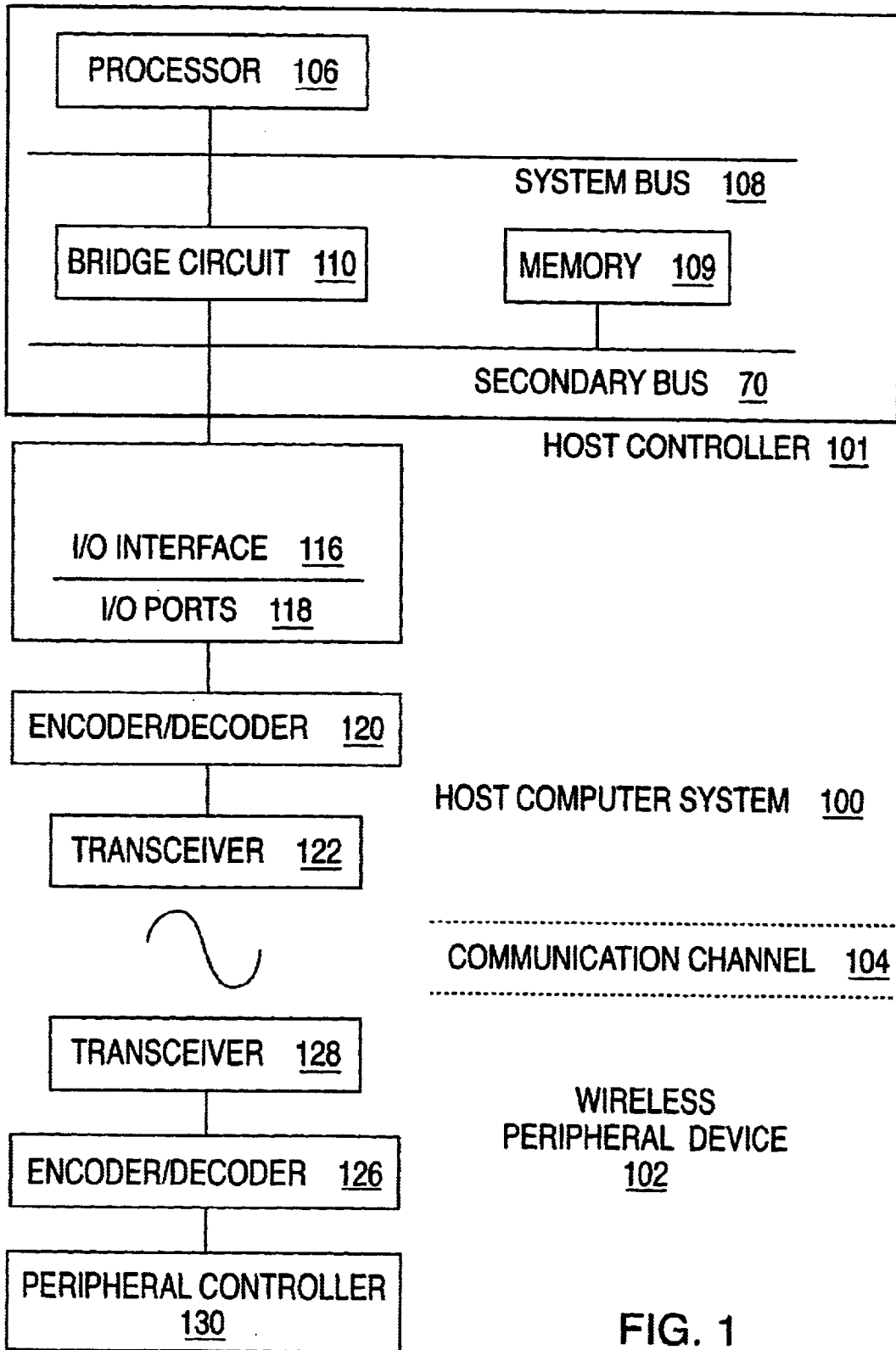


FIG. 1

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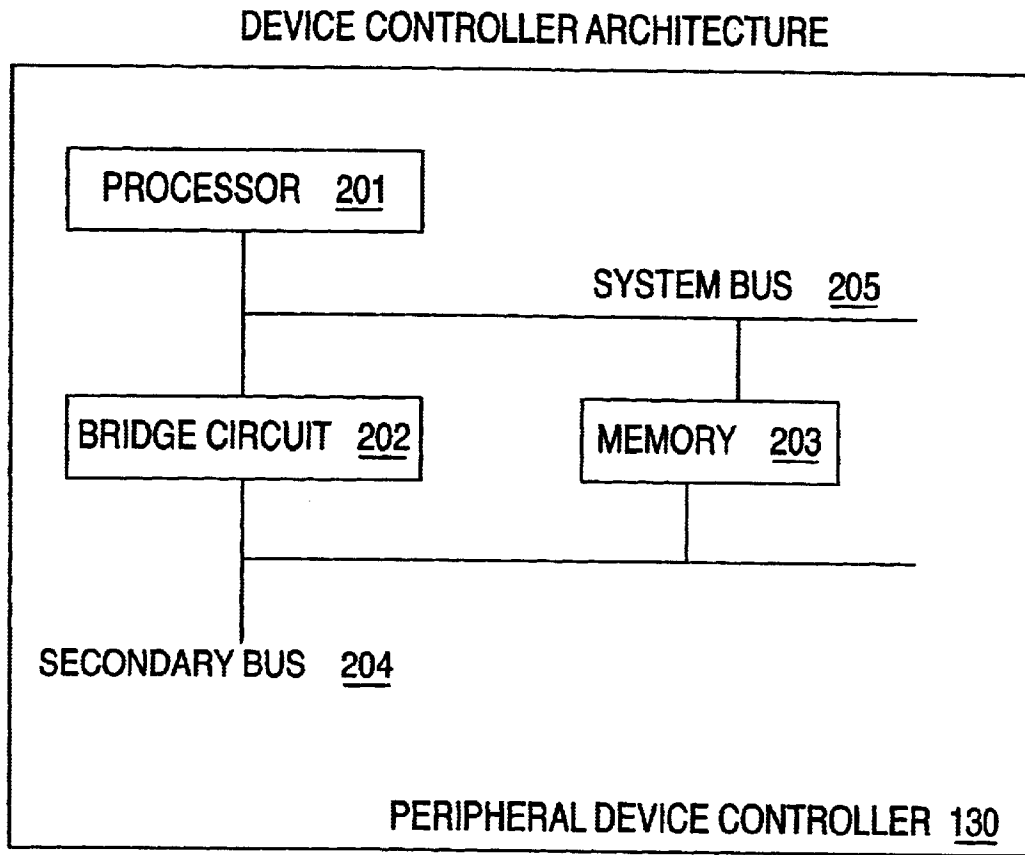


FIG. 2

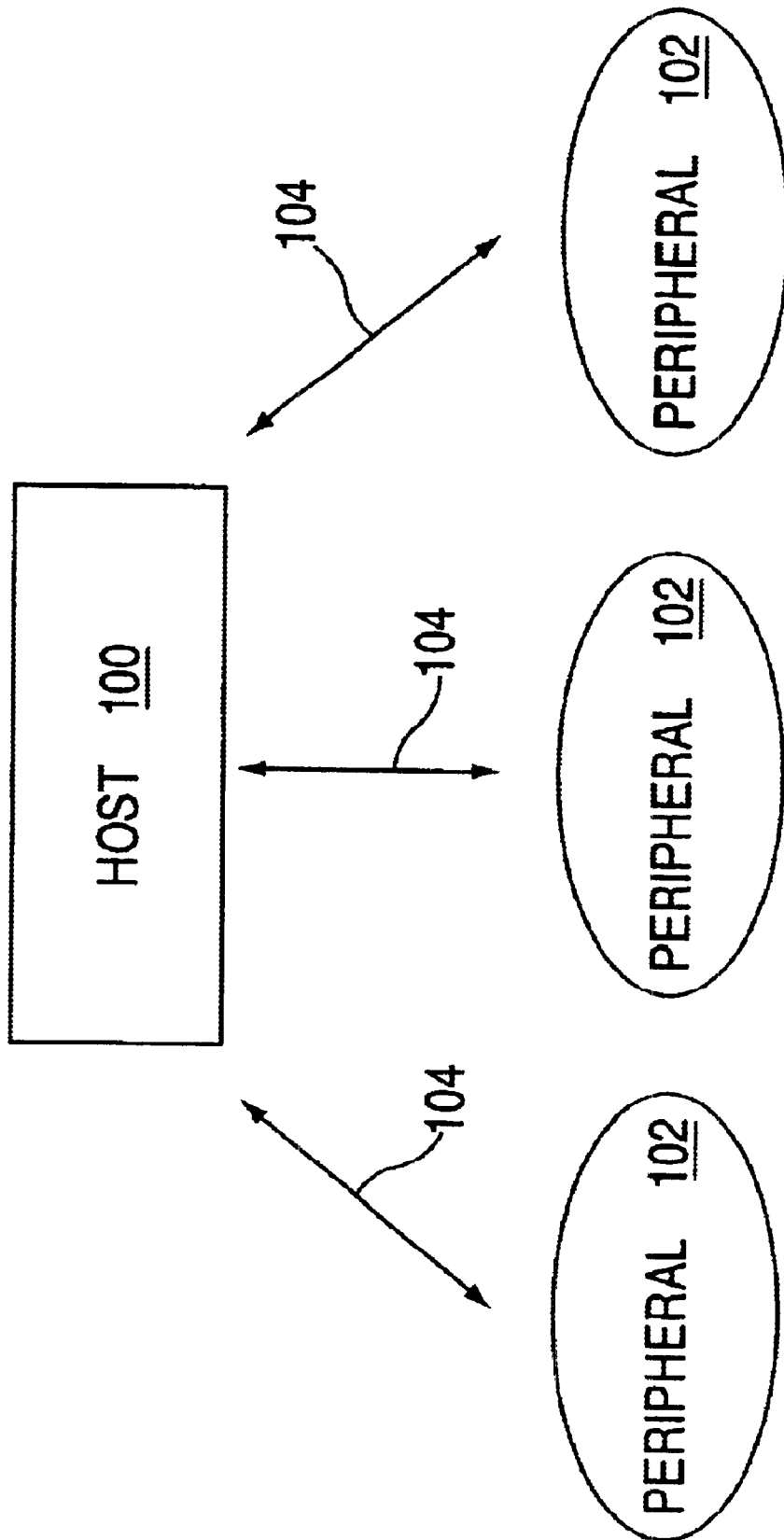
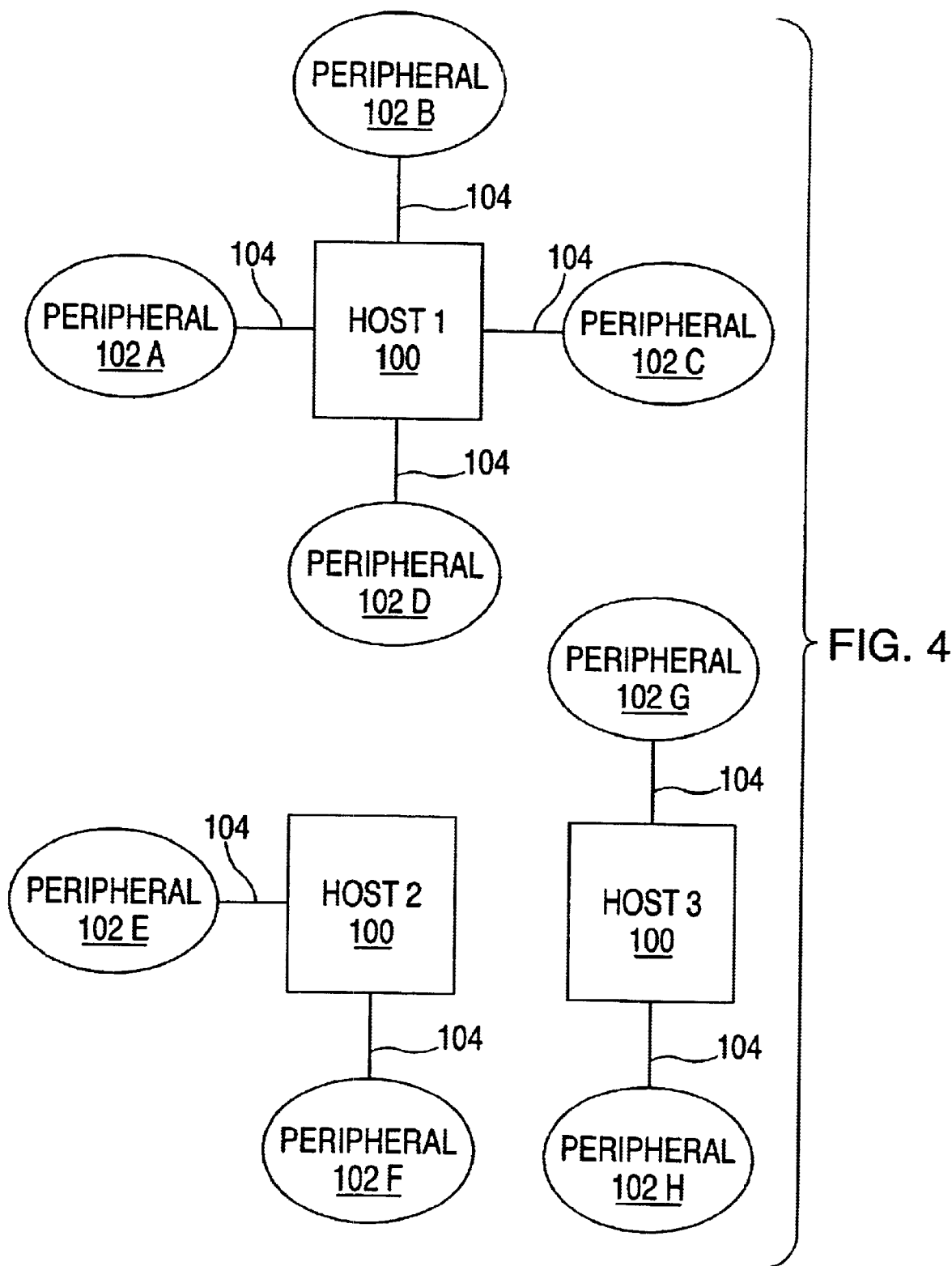


FIG. 3

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