



(12) **United States Patent**  
**Glasco**

(10) **Patent No.:** **US 7,003,633 B2**  
(45) **Date of Patent:** **\*Feb. 21, 2006**

(54) **METHODS AND APPARATUS FOR  
MANAGING PROBE REQUESTS**

(75) Inventor: **David B. Glasco**, Austin, TX (US)

(73) Assignee: **Newsys, Inc.**, Austin, TX (US)

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 205 days.

This patent is subject to a terminal disclaimer.

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(21) Appl. No.: **10/288,347**

(22) Filed: **Nov. 4, 2002**

(65) **Prior Publication Data**

US 2004/0088492 A1 May 6, 2004

(51) **Int. Cl.**  
**G06F 12/00** (2006.01)

(52) **U.S. Cl.** ..... **711/146; 711/141; 709/216;**  
709/218

(58) **Field of Classification Search** ..... **711/141,**  
**711/146, 144, 145; 709/206, 213, 216, 217,**  
**709/218, 219**

See application file for complete search history.

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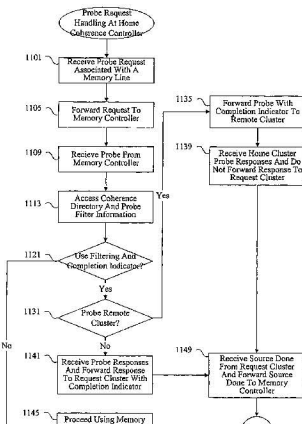
*Primary Examiner*—Brian R Peugh

(74) *Attorney, Agent, or Firm*—Beyer Weaver & Thomas, LLP

(57) **ABSTRACT**

According to the present invention, methods and apparatus are provided for increasing the efficiency of data access in a multiple processor, multiple cluster system. Mechanisms for reducing the number of transactions in a multiple cluster system are provided. In one example, probe filter information is used to limit the number of probe requests transmitted to request and remote clusters.

**39 Claims, 17 Drawing Sheets**



Petition for Inter Partes Review of  
U.S. Pat. No. 7,296,121  
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Figure 1A

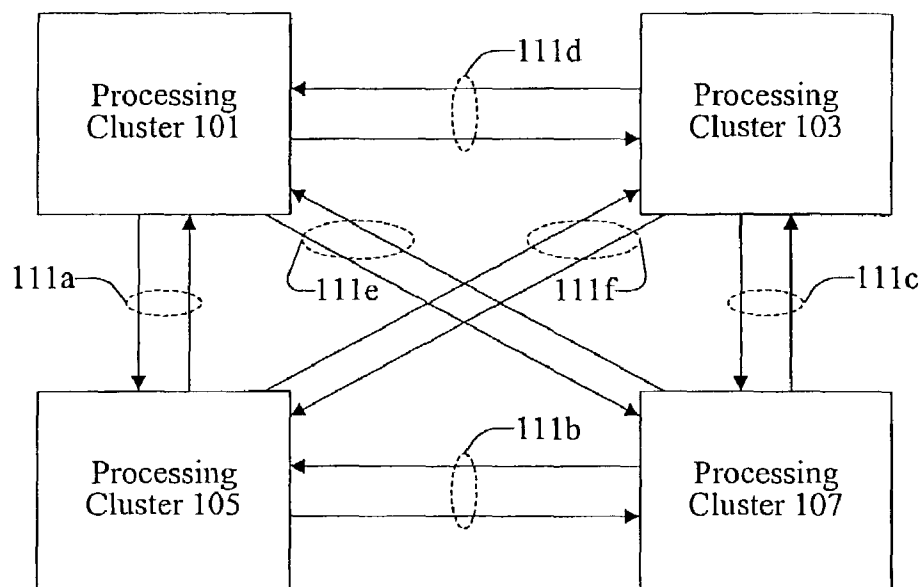


Figure 1B

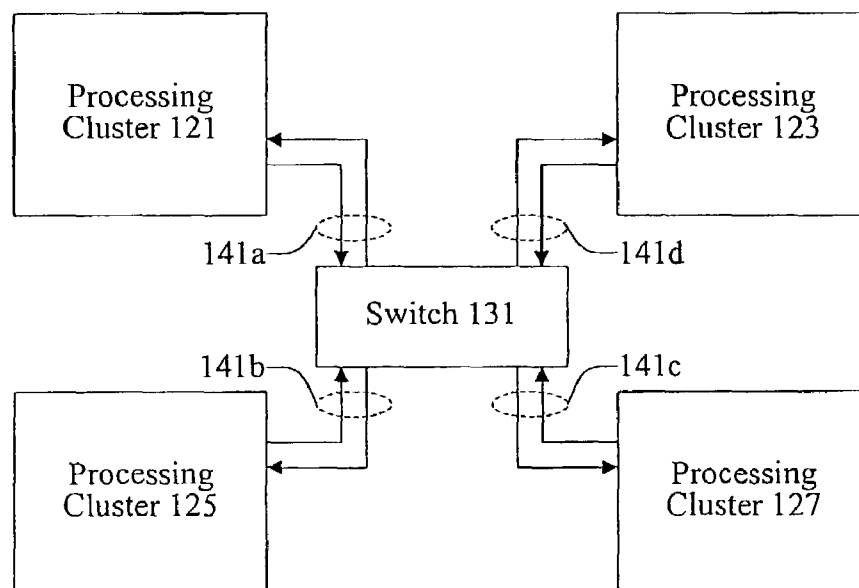


Figure 2

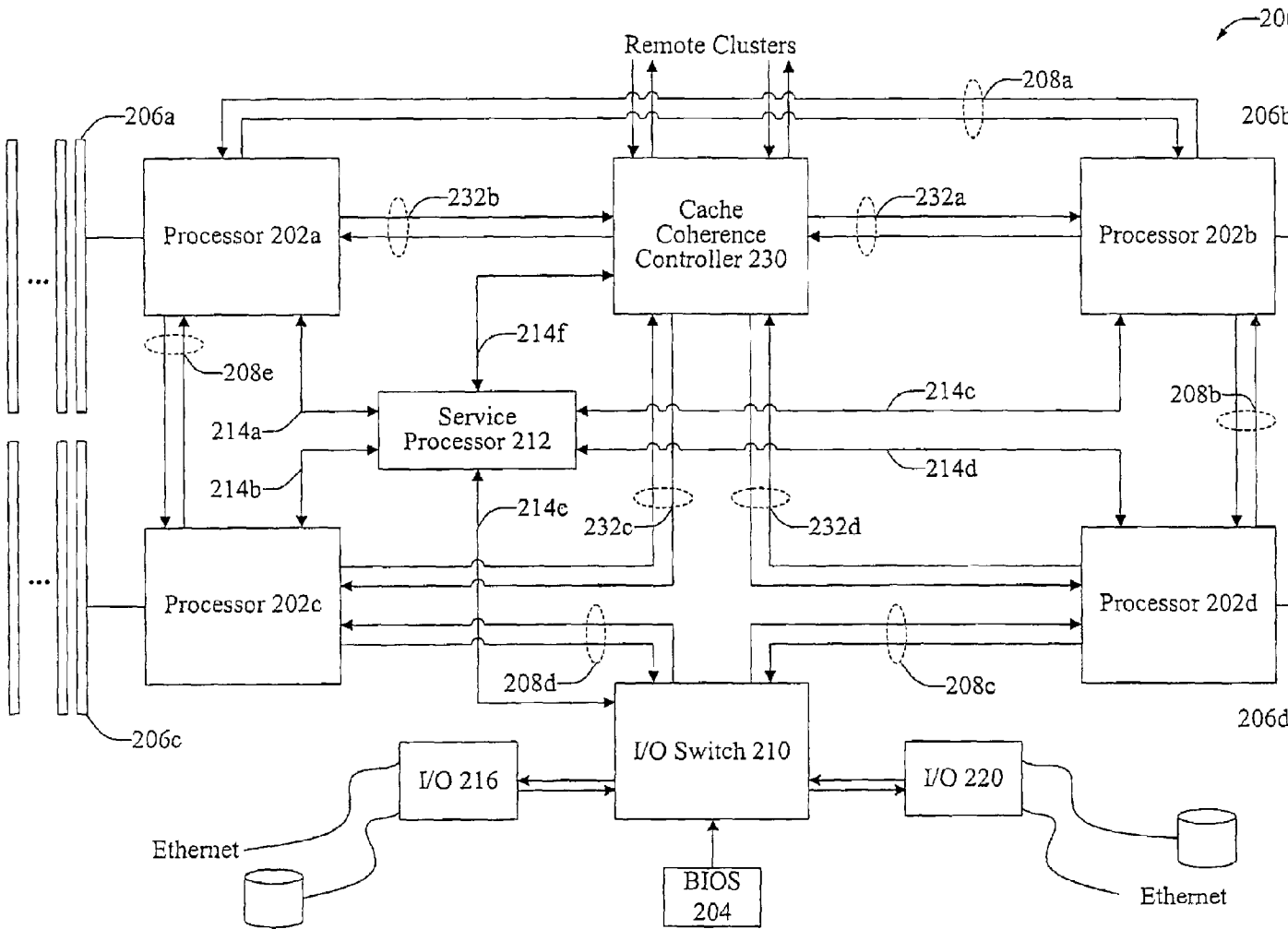
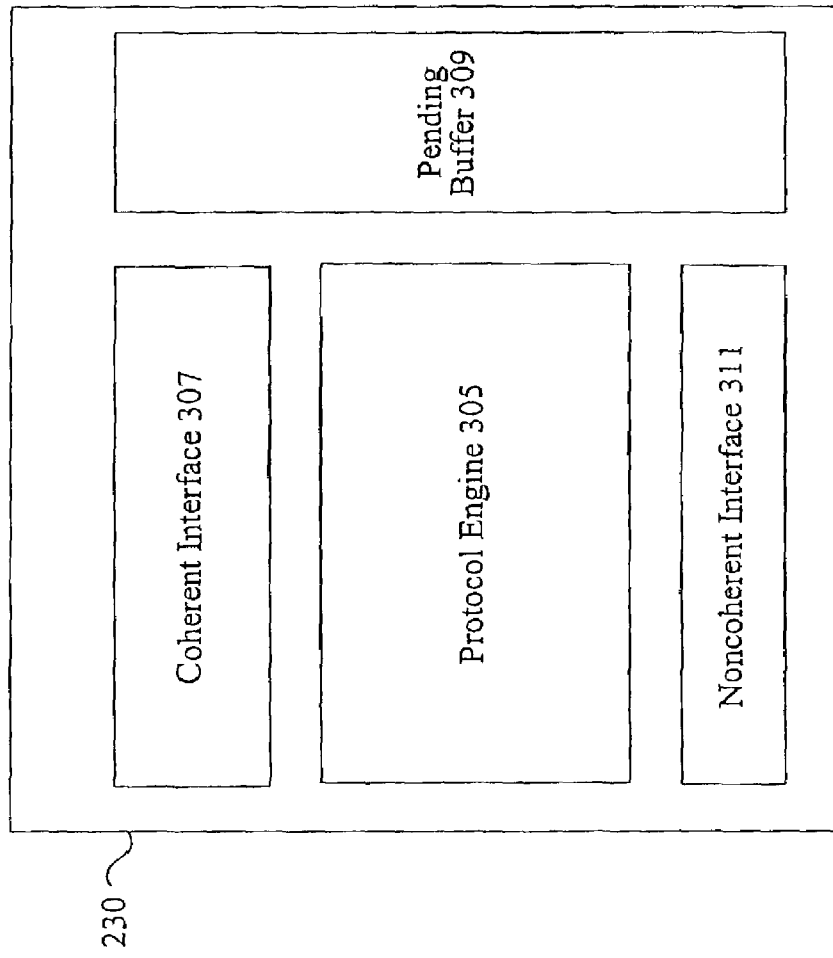


Figure 3



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