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(71) Applicant: INTEL CORPORATION [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).

(72) Inventors: HARRIMAN, David, J.; 7992 La Riviera Drive #44, Sacramento, CA 95826 (US). LANGENDORF, Brian, K.; 1910 Linhurst Court, El Dorado Hills, CA 95762 (US). RIESENMAN, Robert, J.; 11070 Hirschfeld Way #44, Cordova, CA 95670 (US).

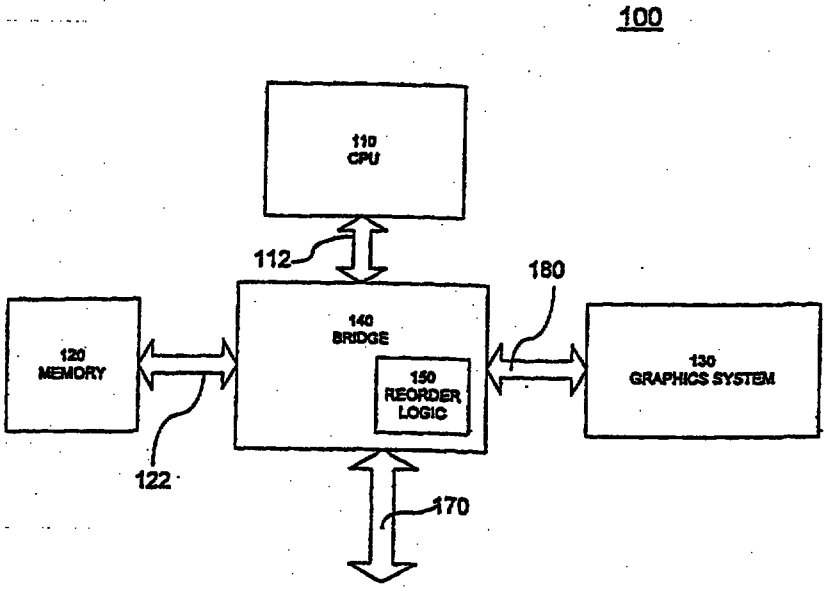
(74) Agents: TAYLOR, Edwin, H. et al.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

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(54) Title: METHOD AND APPARATUS FOR REORDERING COMMANDS AND RESTORING DATA TO ORIGINAL COMMAND ORDER



(57) Abstract

A system and method are provided for enhancing the efficiency with which commands from an initiating device to a resource are processed by the resource. The system includes a command queue, a plurality of command reorder slots coupled to the command queue, and command selection logic coupled to the resource and the command reorder slots. Commands ready for processing are loaded into the command reorder slots, and the command selection logic applies an efficiency criterion to the loaded commands. A command meeting the efficiency criterion is transferred to the resource for processing. The system may also include response reordering logic, which is coupled to the command reorder logic. The response reorder logic returns to original command order data provided in response to reorder read commands.