

INCREASING I/O PERFORMANCE THROUGH STORAGE OF PACKETIZED OPERATIONAL INFORMATION IN LOCAL MEMORY

ABSTRACT

A computing system that incorporates the invention includes a host processor (16) which is coupled to a memory subsystem (10) via a first bus system (17), a controller device (18) and a second bus system (20, 22, 24) is disclosed. The controller device (18) includes memory (26) for storing plural Scripts (28) for replay to the host processor (16). During operation of the computing system, the memory subsystem (10) is caused, as a result of its operation, to issue an instruction to the controller device (18) to dispatch a Script (28) to, for instance, the host processor (16). The controller device (18) responds by accessing the required Script (28), playing the Script (28) which results in accesses to locally stored operational data for inclusion into the Script (28). Local storage of this data avoids unnecessary data transfers over the bus system (17, 20, 22, 24) to the memory subsystem (10) to obtain the required data for inclusion into a Script (28).

FIG 1