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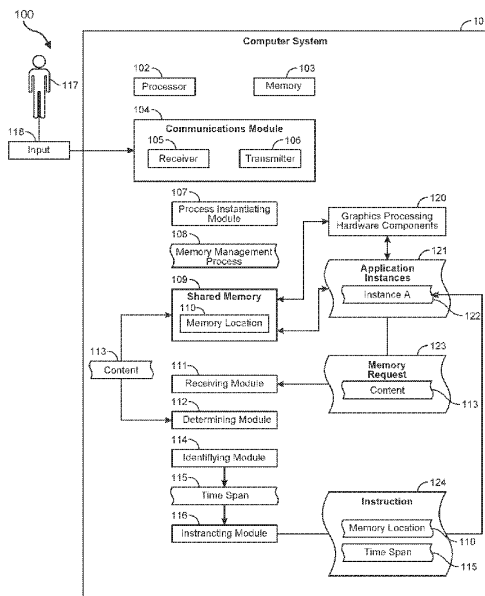


FIG. 1

(57) Abstract: The disclosed computer-implemented method includes instantiating a memory management process that is configured to communicate with graphics processing hardware components to control usage of shared memory by multiple different application instances. The memory management process also receives a request from an application instance indicating that content associated with a specific resource implemented by the application instance is to be stored in the shared memory, determines that the content identified in the request has been previously stored at a specified location in the shared memory, identifies a time span during which the identified content stored in the shared memory will be immutable, and instructs the requesting application instance to access the identified content from the specified location in shared memory during the identified time span. Various other methods, systems, and computer-readable media are also disclosed.

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