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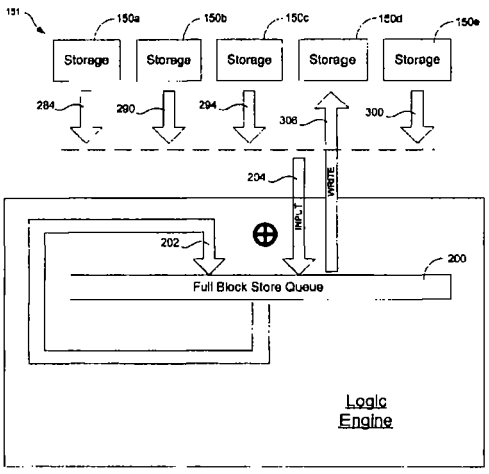
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(54) Title: METHOD, SYSTEM, AND PROGRAM FOR MANAGING PARITY RAID DATA RECONSTRUCTION




162162


ACTION

(57) Abstract: Provided are a method, system, and program for constructing data including reconstructing data organized in a data organization type, such as a Redundant Array of Independent Disks (RAID) organization, for example, which permits data reconstruction. In one embodiment, blocks of data are transferred from a stripe of data stored across storage units, such as disk drives in a RAID array, to a logic engine of a storage processor, bypassing the cache memory of the storage processor. A store queue performs a logic function, such as Exclusive-OR, on each block of data as it is transferred from the disk drives, to reconstruct a block of data from the stripe. The constructed block of data may be subsequently transferred to a disk drive of the RAID array to replace a lost block of data in the stripe of data across the RAID array or to replace an old block of parity data.

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