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(71) Applicant: **INTERNATIONAL BUSINESS MACHINES CORPORATION** [US/US]; New Orchard Road, Armonk, NY 10504 (US).

(71) Applicant *(for MG only)*: **IBM UNITED KINGDOM LIMITED** [GB/GB]; PO Box 41, North Harbour, Portsmouth, Hampshire PO6 3AU (GB).

(72) Inventor: **ALFORD, Jack, Allen**; 11204 Tanya Trail, Austin, TX 78726 (US).

(74) Agent: **WALDNER, Philip**; IBM United Kingdom Limited, Intellectual Property Law, Hursley Park, Winchester, Hampshire SO21 2JN (GB).

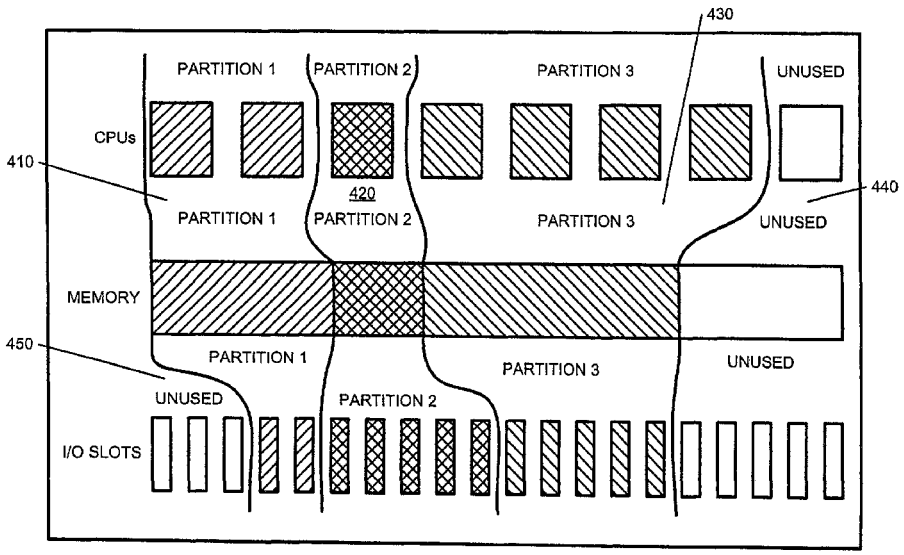
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(54) Title: APPARATUS AND METHOD OF DYNAMICALLY REPARTITIONING A COMPUTER SYSTEM IN RESPONSE TO PARTITION WORKLOADS



(57) Abstract: A method, system and apparatus for dynamically repartitioning a partitioned computer system in response to workload demands are provided. In one embodiment, a monitoring software is used to monitor workloads on all resources in all the partitions. If a workload on a resource in a partition is determined to exceed a maximum threshold, a similar resource is allocated to the partition. The similar resource is preferentially an unassigned or unallocated resource. However, resources from other partitions may also be used. In another embodiment, a workload schedule is stored in a workload profile. If a scheduled workload in any of the resources of a partition is to exceed a maximum threshold, additional similar resources will be allocated to the partition before the scheduled workload.

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