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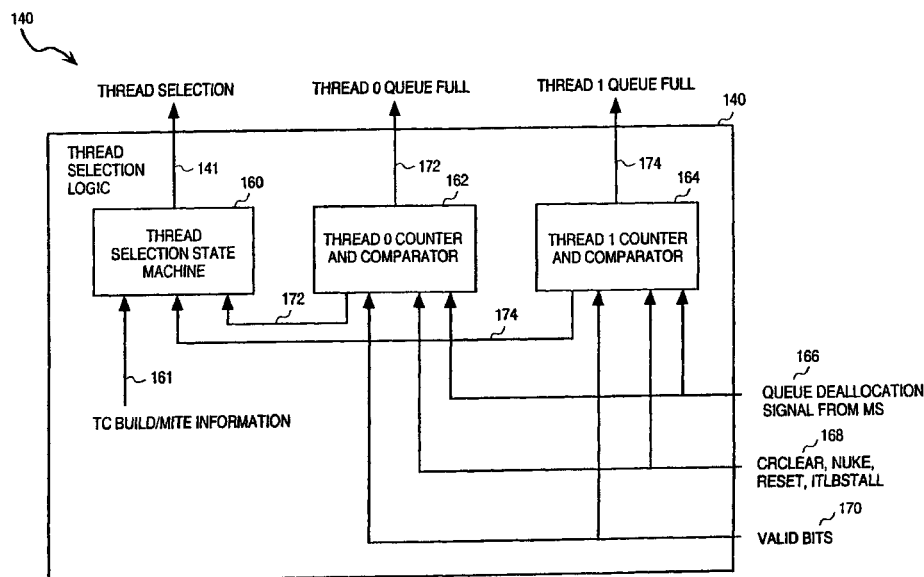
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(54) Title: METHOD AND APPARATUS FOR PARTITIONING A RESOURCE BETWEEN MULTIPLE THREADS WITHIN A MULTI-THREADED PROCESSOR



(57) Abstract: A method of partitioning a memory resource, associated with a multi-threaded processor, includes defining the memory resource to include first and second portions that are dedicated to the first and second threads respectively. A third portion of the memory resource is then designated as being shared between the first and second threads. Upon receipt of an information item, (e.g., a microinstruction associated with the first thread and to be stored in the memory resource), a history of Least Recently Used (LRU) portions is examined to identify a location in either the first or the third portion, but not the second portion, as being a least recently used portion. The second portion is excluded from this examination on account of being dedicated to the second thread.



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