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(54) Title: METHOD AND SYSTEM FOR AN INUSE FIELD RESOURCE MANAGEMENT SCHEME

(57) Abstract: A method for maintaining an instruction in a pipelined processor using inuse fields. The method involves receiving a read request for an instruction, sending the instruction in response to the read request and setting an inuse field associated with the instruction to inuse. Alternate embodiments of the method involve transmitting the instruction in response to the read request, receiving a notification of instruction retirement and resetting the inuse field in the ITLB. The method can also be used in the ICACHE in which inuse fields are associated with each instruction stored in the ICACHE. Other embodiments of the method can be used concurrently in the ITLB and the ICACHE as a resource tracking mechanism to maintain resources.