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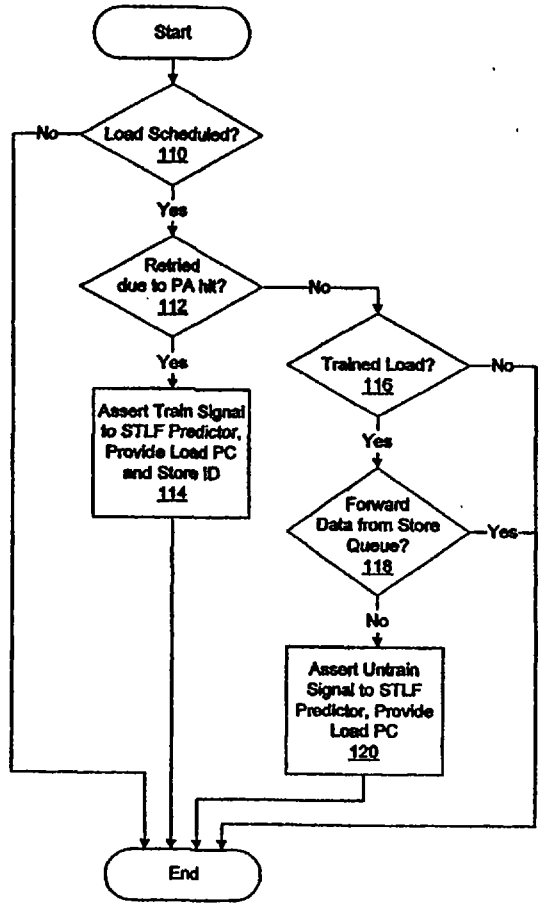
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(54) Title: STORE TO LOAD FORWARDING PREDICTOR WITH UNTRAINING



(57) Abstract: A processor (10) employs a store to load forward (STLF) predictor (60) which may indicate, for dispatching loads, a dependency on a store. The dependency is indicated for a store which, during a previous execution, interfered with the execution of the load. Since a dependency is indicated on the store, the load is prevented from scheduling and/or executing prior to the store. The STLF predictor (60) is trained with information for a particular load and store in response to executing the load and store and detecting the interference. Additionally, the STLF predictor (60) may be untrained (e.g. information for a particular load and store may be deleted) if a load is indicated by the STLF predictor (60) as dependent upon a particular store and the dependency does not actually occur.

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