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(54) Title of the Invention: **Optimal placement of data structures in a hybrid memory based inference computing platform**
Abstract Title: **Optimal placement of data structures in a hybrid memory based inference computing platform**

(57) Various embodiments are provided for optimized placement of data structures in memory in a computing environment. One or more data structures may be dynamically allocated in a hybrid memory according to weights and activations of the or more data structures in a deep neural network ("DNN"). The hybrid memory includes at least a first memory and a second memory that differ according to write endurance attributes.

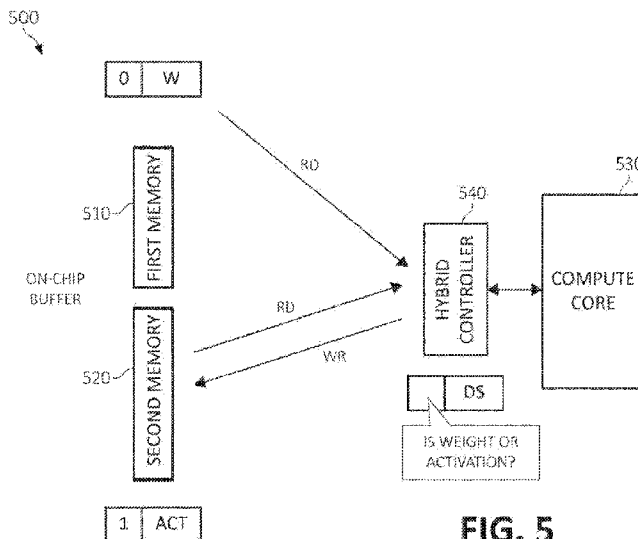


FIG. 5