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(54) Title of the Invention: **Update management for RPU array**
 Abstract Title: **Update management for RPU array**

(57) A computer-implemented method and computer processing system are provided for update management for a neural network. The method includes performing an isotropic update process on the neural network using a Resistive Processing Unit. The isotropic update process uses a multiplicand and a multiplier from a multiplication operation. The performing step includes scaling the multiplicand and the multiplier to have a same order of magnitude.

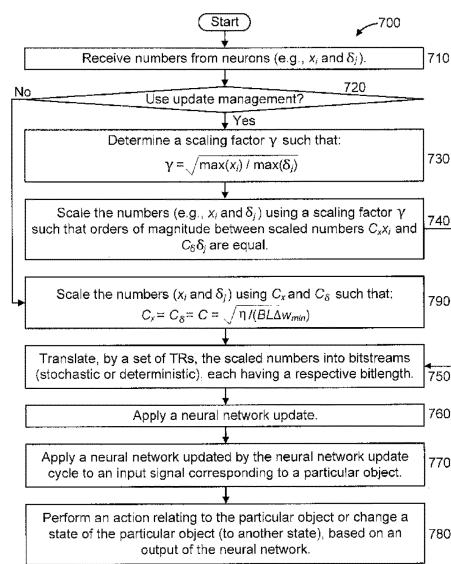


FIG. 7

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