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(54) **Title:** DYNAMIC ROW COUNT PREDICTION TECHNIQUE

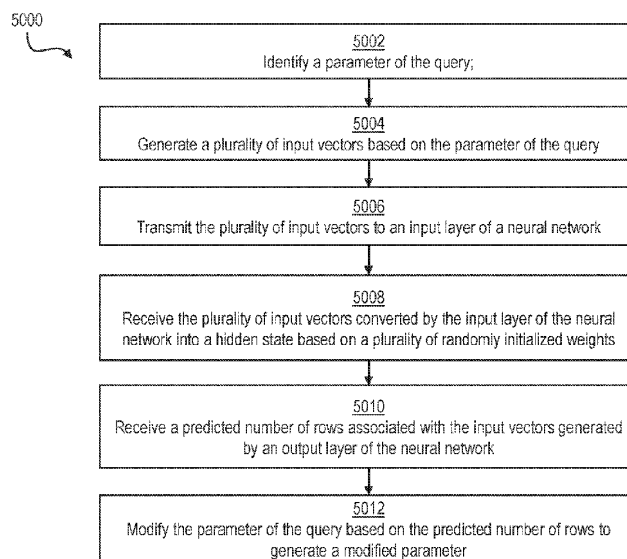


FIG. 5

(57) **Abstract:** A computer-implemented method of processing a Structured Query Language (SQL) query. The method can include identifying a parameter of the SQL query, generating a plurality of input vectors based on the parameter of the SQL query, transmitting the plurality of input vectors to an input layer of a neural network, and receiving a predicted number of rows associated with the input vectors generated by an output layer of the neural network. The predicted number of rows can be generated based on a descent gradient of the neural network. The method can further include modifying the parameter of the SQL query based on the predicted number of rows to generate a modified parameter, wherein the modified parameter is configured to reduce computational resources required to generate an SQL query result, and wherein the modified parameter is configured to improve an accuracy of the SQL query result.

[Continued on next page]

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