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(54) Title: REAL-TIME FEEDBACK AND MACHINE LEARNING SYSTEM FOR DOWNHOLE ENVIRONMENTS

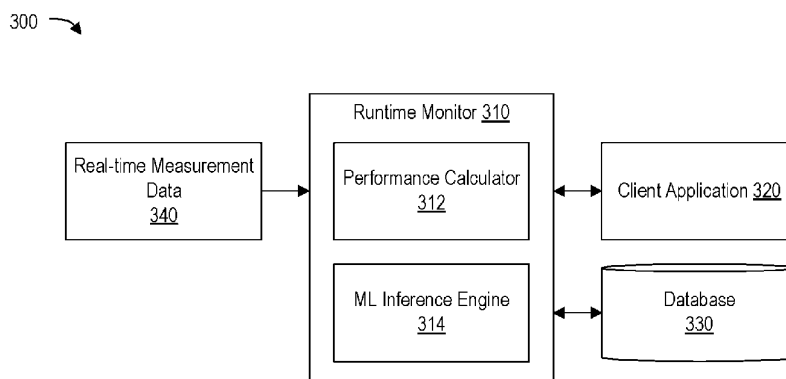


FIG. 3

(57) Abstract: Disclosed are systems, apparatuses, methods, and computer readable medium for a real-time feedback and machine learning system for downhole environments. A method includes: receiving first measurement data from a first equipment submersed into a downhole environment during a run for extracting material from the downhole environment; determining a performance curve based on the first measurement data, the performance curve identifying an extraction rate of the material with respect to efficiency and head capacity; and providing the performance curve to an operator of the run for real-time feedback associated with performance of equipment in the downhole environment.

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