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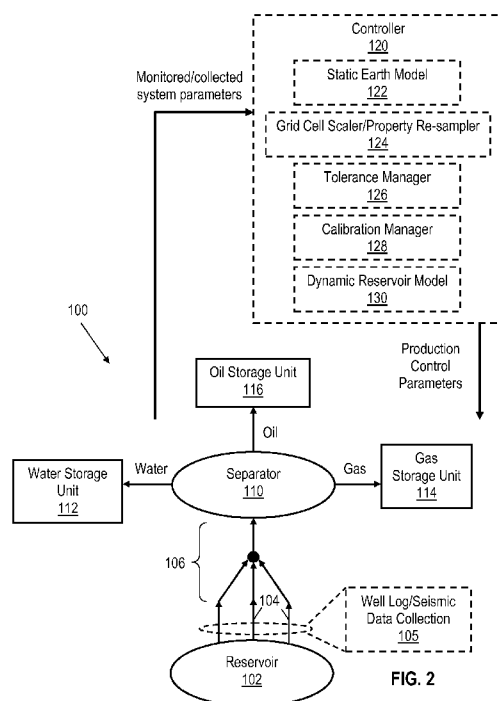
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(54) Title: **STATIC EARTH MODEL GRID CELL SCALING AND PROPERTY RE-SAMPLING METHODS AND SYSTEMS****FIG. 2**

(57) Abstract: At least some of the disclosed systems and methods obtain a static earth model having a three-dimensional grid with multiple cells, each cell having petrophysical properties associated therewith. Further, at least some of the disclosed systems and methods adjust a size of at least some of the cells based on a predetermined scaling rule. Further, at least some of the disclosed systems and methods re-sample petrophysical properties for the adjusted grid cells. If the one or more attributes of the static earth model are within a threshold tolerance after the adjusting and re-sampling steps, the static earth model is used as input to a flow simulator.