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(54) **Title:** IDENTIFYING AND EXTRACTING FLUID LAYERS AND FLUID RESERVOIRS IN ONE OR MORE BODIES REPRESENTING A GEOLOGICAL STRUCTURE

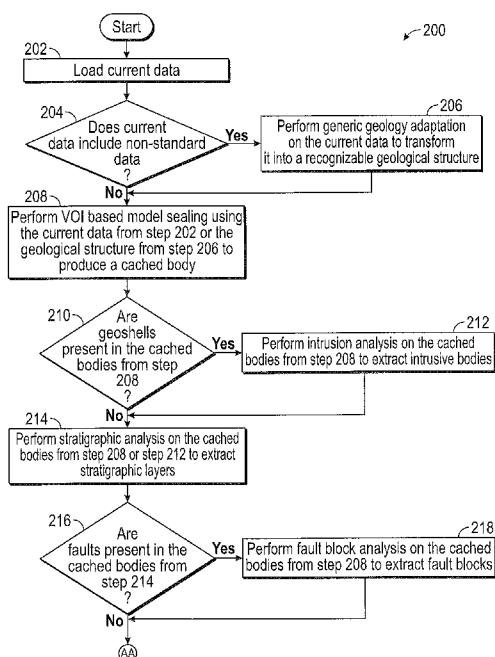


FIG. 2A

(57) **Abstract:** Systems and methods for identifying and extracting fluid layers and fluid reservoirs in one or more bodies representing a geological structure by performing a fluid fill analysis on the bodies using advanced fluid fill analysis algorithms to extract fluid reservoirs without seams or intrusions for simple identification.