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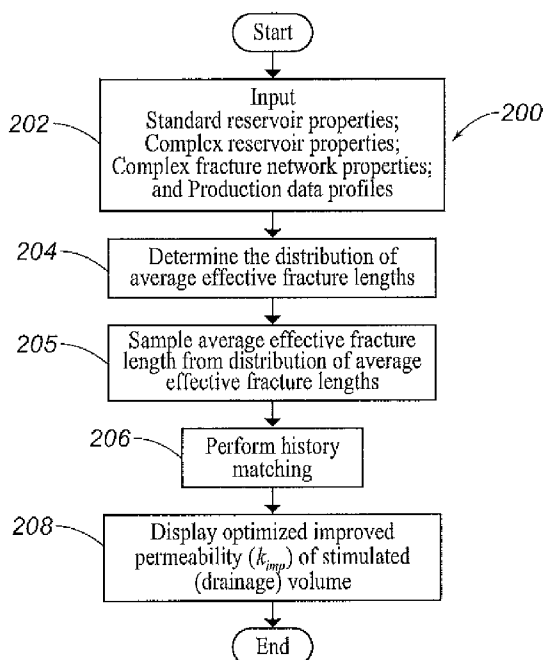


FIG. 2

(57) Abstract: Systems and methods for optimizing existing wells and designing new wells based on the distribution of each average effective fracture length for a respective per fracturing stage with respect to different reservoir properties.