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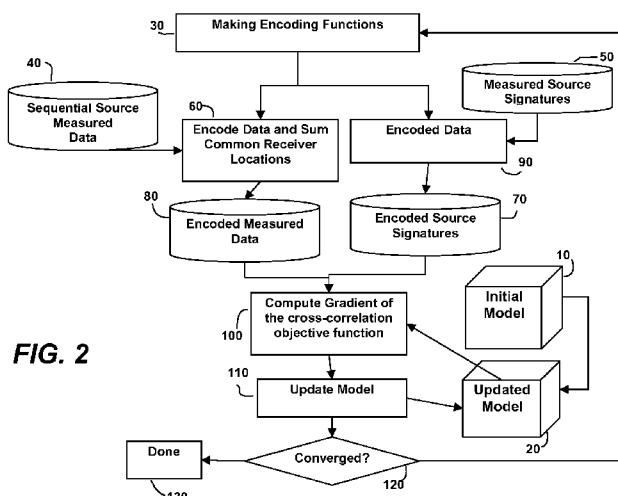
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(54) Title: SIMULTANEOUS SOURCE INVERSION FOR MARINE STREAMER DATA WITH CROSS-CORRELATION OBJECTIVE FUNCTION

**FIG. 2**

(57) Abstract: Method for simultaneous full-wavefield inversion of gathers of source (or receiver) encoded (30) geophysical data (80) to determine a physical properties model (20) for a subsurface region, especially suitable for surveys where fixed-receiver geometry conditions were not satisfied in the data acquisition (40). The inversion involves optimization of a cross-correlation objective function (100).