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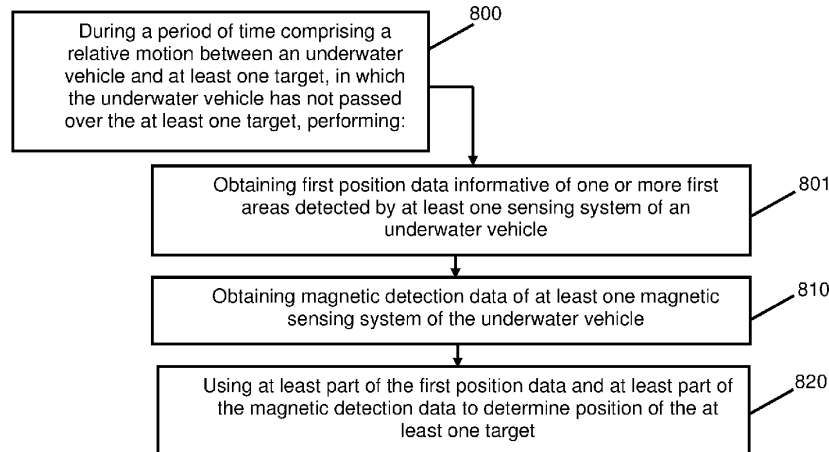


FIG. 8A

(57) Abstract: There are provided systems and methods comprising performing, by one or more processing circuitries, in a period of time comprising a relative motion between a marine vehicle and at least one target, in which the marine vehicle has not passed over the at least one target: obtaining first position data informative of one or more first areas determined by at least one underwater detection system associated with the marine vehicle, obtaining magnetic detection data of at least one underwater magnetic detection system associated with the marine vehicle, and using at least part of the first position data and at least part of the magnetic detection data to perform at least one target detection enabling estimating position of the at least one target.

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