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(54) Title: APPARATUS, SYSTEMS, AND METHODS FOR DETERMINING A GEO-LOCATION

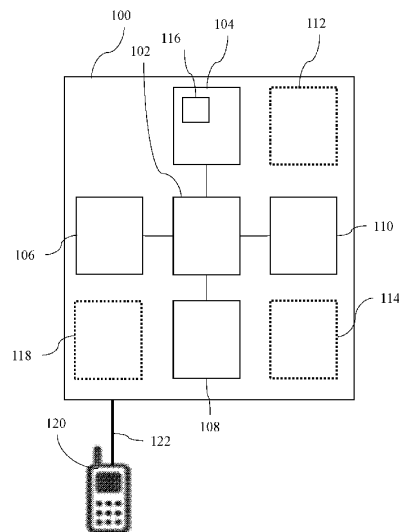


FIG. 1

(57) Abstract: Apparatus, systems and methods for determining a geo-location are provided. The apparatus comprises a receiver, a sensor, a processor, and a transmitter. The receiver is configured to receive a first geo-location. The sensor is configured to determine a change in a pose of the apparatus. The processor is operatively coupled to memory, the receiver, and the sensor. The processor is configured to determine a second geo-location based on the first geo-location and the sensor utilizing a neural network. The first transmitter is configured to output the second geo-location of the apparatus.

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