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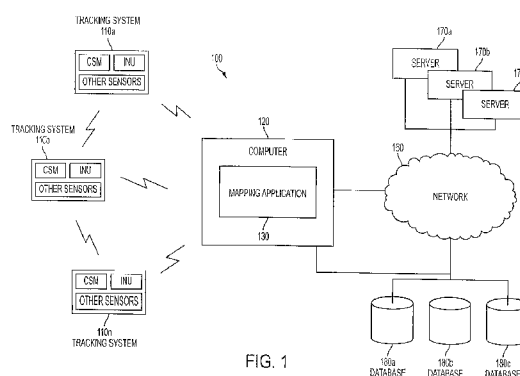


FIG. 1

(57) Abstract: A system and method for locating, tracking, and/or monitoring the status of personnel and/or assets (collectively "trackees"), both indoors and outdoors, is provided. Tracking data obtained from any number of sources utilizing any number of tracking methods may be provided as input to a mapping application. The mapping application may generate position estimates for trackees using a suite of mapping tools to make corrections to the tracking data. The mapping application may use information from building data to enhance position estimates. Indoor tracking methods including sensor fusion methods, map matching methods, and map building methods may be implemented to take tracking data from one or more trackees and compute a more accurate tracking estimate for each trackee. Outdoor tracking methods may be implemented to enhance outdoor tracking data by combining tracking estimates such as inertial tracks with magnetic and/or compass data and with GPS.

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