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(71) Applicant *(for all designated States except US)*: **SMITHS DETECTION INC.** [US/US]; 2202 Lakeside Boulevard, Edgewood, MD 21040 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **LEWINGTON, Jay** [GB/GB]; 7 Donnafields, Bisley, Surrey GU24 9DP (GB). **CZAJKA, John, Walter** [US/US]; 16 Bramble Lane, West Grove, PA 19390 (US). **GREEN, Douglas, Jason** [US/US]; 14101 Manor Road, Baldwin, MD 21013 (US). **VOLPE, Carmelo** [GB/GB]; 5 The Poplars, Chestnut, Waltham Cross, Hertforshire EN7 6AR (GB).

(74) Agents: **KAMINSKI, Michael, D.** et al.; Foley & Lardner LLP, Washington Harbour, 3000 K Street Nw, Suite 500, Washington, DC 20007-5143 (US).

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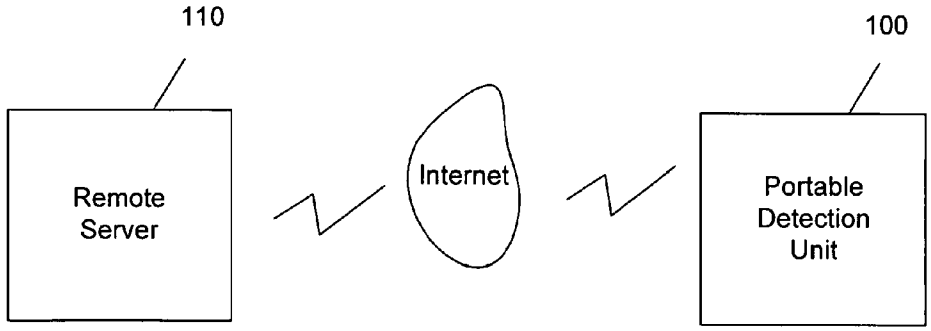
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(54) **Title:** PORTABLE DETECTION SYSTEM AND METHOD

FIG. 1



(57) **Abstract:** A method and apparatus for providing assay information to a portable detection unit, by way of a remote server in communication with the portable detection unit or a consumable with stored information for use with the portable detection unit. Global Positioning System (GPS) information is provided to a portable detection unit having a GPS receiver, so that the unit can determine its current position, including altitude. Based on the determined position, assays and parameters, such as PCR melt temperatures, can be selected. Assays to be performed by the portable detection unit can be selected based on the results of a prior assay.

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