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(54) **Title:** MULTIPLE-TIERED SCREENING AND ANALYSES

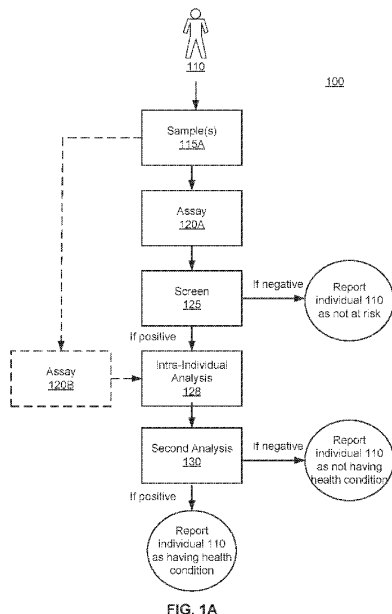


FIG. 1A

(57) **Abstract:** Disclosed herein are methods, non-transitory computer readable media, systems, and kits for performing a multiple tiered analysis for identifying individuals with a health condition for monitoring, treating, and/or enrolling the individuals in a clinical trial. Specifically, the multiple tiered analysis involves a first screen, which eliminates a large proportion of individuals who are identified as not at risk for a health condition, and a subsequent second analysis which detects presence of a health condition in the remaining individuals. Altogether, the multiple tiered analysis achieves improved performance and accurate identification of individuals with the health condition.

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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