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- (54) **Title:** PORTABLE DIAGNOSTIC APPARATUS AND THE METHOD THEREOF

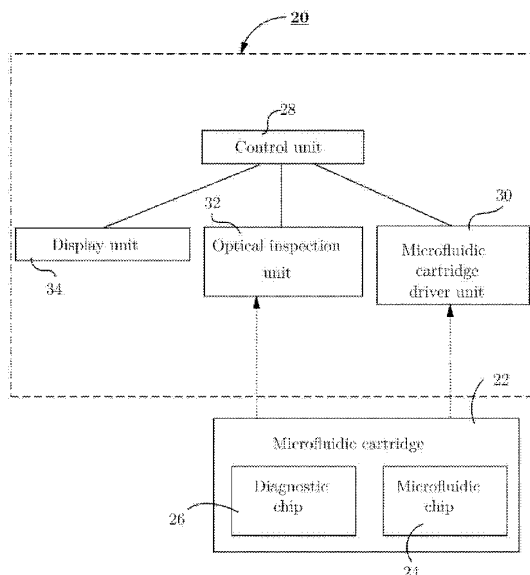


Fig. 1

(57) **Abstract:** A method and a portable diagnostic apparatus (20) for detecting at least one analyte from a sample using a microfluidic cartridge (22). The portable diagnostic apparatus (20) comprises a cartridge receiving unit, a cartridge driver unit (30) and an optical unit (32). A method and an apparatus of obtaining disease prevalence information comprising at least one of the portable diagnostic apparatus (20). A method and a system for managing a network of portable diagnostic apparatuses and obtaining disease prevalence information comprising at least one of the portable diagnostic apparatus (20). A diagnostic system with multiple automated features that is capable of providing a one-step solution to near-patient clinical evaluation and diagnosis.