

**SYSTEM AND METHOD FOR SECURE, PRIVATE, AND TRUSTED
MEDICAL INFORMATION MONITORING AND
SEMI-AUTONOMOUS PRESCRIPTION MANAGEMENT**

ABSTRACT

A patient identity and information manager (PIIM) is configured for establishing direct trust relationships between itself and (i) a particular patient; (ii) a biomarker monitoring device corresponding to the patient; and (iii) a medical care provider associated with the patient. The PIIM establishes: a first direct trust relationship corresponding to the patient by way of communication between the PIIM and a patient identification / biometrics module and establishment of a validated currently active patient identity; a second direct trust relationship corresponding to the biomarker data monitoring device by way of communication between the PIIM and the biomarker data monitoring device under the currently active patient identity; and a third direct trust relationship corresponding to the care provider by way of validating the care provider and providing the validated care provide with a biomarker data encryption key corresponding to each of the currently active patient identity and the biomarker monitoring device.

Figure 5