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(54) Title: A SYSTEM, A METHOD AND A DEVICE FOR SCREENING A DISEASE IN A SUBJECT

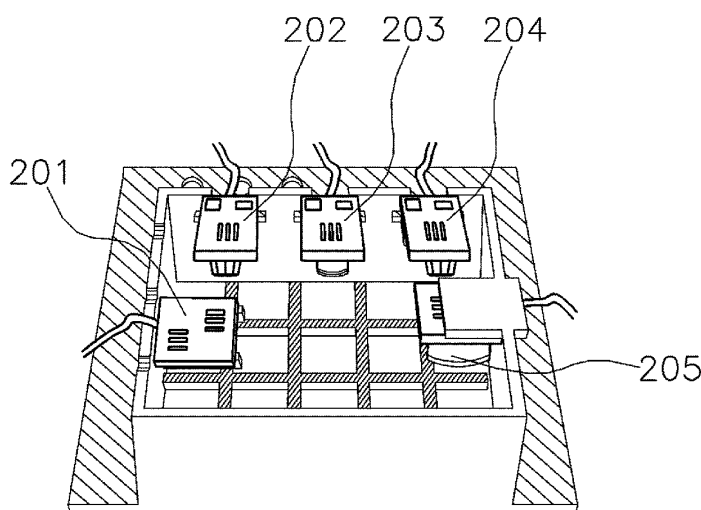


Fig. 2C

(57) **Abstract:** A system, a method and a device for screening a disease in a subject are provided. The system comprises a portable medical screening device including a collection chamber to collect a test sample of a subject; a set of chemically sensitive sensors; an analysis chamber to allocate the set of chemically sensitive sensors to detect VOCs in the test sample and to generate an output signal indicative of the presence or absence of VOC in the test sample; and a first processing unit operatively connected to the set of chemically sensitive sensors to receive the generated output signal. The system also comprises an artificial intelligence-based classification software to determine an outcome regarding the disease by processing and classifying the generated output signal. The classification software can be executed by the first processing unit, a software application installed on a computer device or a remote processing unit.

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