

CHARGE DETECTOR AND PROCESS FOR SENSING A CHARGED ANALYTE

Patent 11,493,476

Description

Problem

It is time for precision biochemical measurements in a format that combines inexpensive passive sensors that can be customized for specific applications with reusable electronics.

Solution

We developed a modular bioelectronics measurement platform that allows easily interchangeable measurements that can allow the diagnosis of multiple diseases.

High precision at a much lower cost

Benefits

Commercial Application

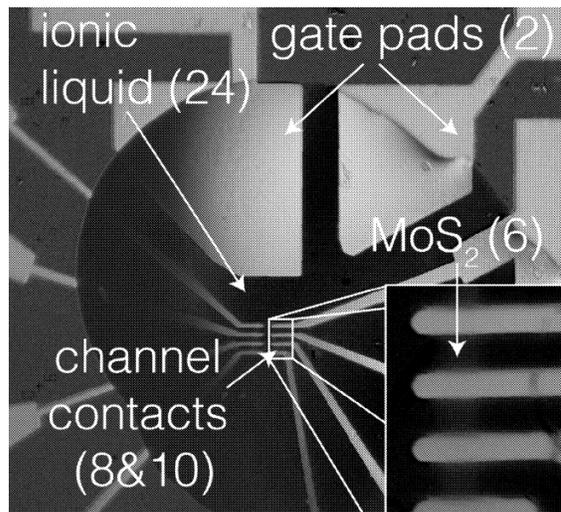
- Disease diagnostics
- Early warning systems for public health

Competitive Advantages

- Our modular approach allows flexibility to rapidly reconfigure the sensors for new and emerging applications.
- Allows rapid measurements in a handheld form factor and provide a route for developing several inexpensive disposable sensors that can be read with a single reader.

CONTACT

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A micrograph of a dual gate field effect transistor