CASE ENABLING MOBILE DEVICE TO PERFORM FLUORESCENT MEASUREMENTS

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Description

Current approaches to perform fluorescent imaging are non-portable and highly expensive with high complexity of operation, thus requiring a large instrument. On the other hand, there are few methods currently available which can perform medical diagnostics or chemical measurements using mobile devices such as iPhones. However, most of these methods are non-fluorescent based. **The proposed approach discloses a novel case enabling a mobile device to perform fluorescent measurements, particularly for medical diagnostics.**

Value Proposition

The case enabling device:

- Is highly portable and inexpensive
- Excites the fluorescent molecules and captures the fluorescence through the built in camera
- Allows for the conversion of a mobile device into a fluorescence imager
- Is capable of measuring, recording and interpreting the data through the software application installed in the mobile device
- Would be commercially useful for fluorescent measurements in the case of medical diagnostics, chemical detection, and laboratory experiments

Intellectual Property Status

PCT Application PCT/US2012/051811

License Status

Available for license

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