Title: Quantum Dots Spectrometer

Abstract:

In recent years, optical Spectrometer is reaching its performance celling and difficult to going forward. Partly because the optical devices are unable to be minimized dramatically. To achieve higher resolution and smaller size of the spectrometer, we are supposed to find a new way to address the problem. Therefore, the Quantum Dots Spectrometer was being researched these years. Quantum Dots are kind of nanocrystal semiconductor and human is unable to see with naked eye. The dots absorb light’s wavelengths relaying on their shape and size. Without optical parts, we can build the Spectrometer into cell phone or medical devices. People also developing space-based Quantum Dots Spectrometer to explore the outer space. From my search, it shows that the Quantum Dots Spectrometer is reasonable and operational.

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