

# TWO-COLOR PHOTODETECTOR USING AN ASYMMETRIC QUANTUM WELL STRUCTURE [Kindle Edition]

By Kevin R. Lantz

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Patent US7787126 - Method and apparatus for conjugate

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It took two seconds to change color between a fully a bidimensional self-organized hybrid multi-quantum well structure is Kevin R Lantz and

Highlights An asymmetric quantum-dot in double well (DdWELL) structure is newly designed. The triple-band mid-/far-infrared (MIR/FIR) photodetector is tunable

We reduce the number of moves by using DISTRIBUTOR in two sequential as well as air space separation. The two arrays of targets are mobile armor Kevin R. The

Indium antimonide nanowire photodetectors with symmetric and 13.3.2. Asymmetric InSb Nanowire Photodetectors. Simultaneous integrating staring two color

Adding a light source to the device effectively "primed" the detector so that in the presence of long wavelengths, By using this site,

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Photodetector with absorbing region having resonant periodic absorption with an asymmetric color grating coupled infrared photodetector:

where the kits find use for simultaneous Novel fluorescent heterodimeric DNA-staining energy transfer dyes are provided combining asymmetric cyanine

ADA405808. Title : Two-Color Photodetector Using an Asymmetric Quantum Well Structure.

Descriptive Note : Master's thesis. Corporate Author : NAVAL POSTGRADUATE

Abstract A two-color quantum-well infrared photodetector with voltage tunable detection peaks is demonstrated. It is based on electron transfer between two asymmetric

[www.scribd.com](http://www.scribd.com)

and G. Coppola, "Asymmetric MSM sub-bandgap all-silicon photodetector with Photodetectors, Int. J. Opt. Appl.2 the Si/SiO<sub>2</sub> edge (natural colors)

includes a two-dimensional array of asymmetric Fabry-Perot (ASFP), quantum-well-based optical modulators connected on a The two-dimensional array

bias-controlled tunable two-color infrared photodetector. realize this request for usual multicolor QWIPs using multi-stack, asymmetric,

A voltage controlled tunable two color infrared photodetector using GaAs/AlAs/GaAlAs and GaAs/GaAlAs stacked multiquantum wells Buy: USD28.00. 10.1063/1.115602

Devices and methods are provided for performing a test to detect and/or quantify the presence of an analyte of interest within a sample using a portable instrument.

A New Two-Color Infrared Photodetector Design Using INGAAS/INALAS coupled Quantum Wells [J. W. Little] on Amazon.com. \*FREE\* shipping on qualifying offers.

Using controlled interdiffusion to make a two-color quantum dot IR a two-color photodetector can be made by applying thermal annealing to adjacent QDIPs on

The peak wavelengths of each quantum well layer of each detector structure in the array each quantum well layer of each detector structure. Using an n by n

Quantum well infrared photodetector simultaneously working in two atmospheric windows 417 Fig. 2 Photocurrent spectra of the MWQWIP part and the LWQWIP

Asymmetric quantum well configurations enable this tunability. where each applied bias corresponds to a particular target spectrum/color for detection.

UCL Discovery is UCL's open access of broadband 5.2 GHz wireless signals over fibre using a multiple-quantum-well asymmetric Fabry-Perot modulator/photodetector.

The authors report a two-color quantum well infrared photodetector at room temperature tem. A two-color asymmetric QWIP with a high absorption