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(54) Title: INFRARED PASS VISIBLE BLOCKER FOR UPCONVERSION DEVICES

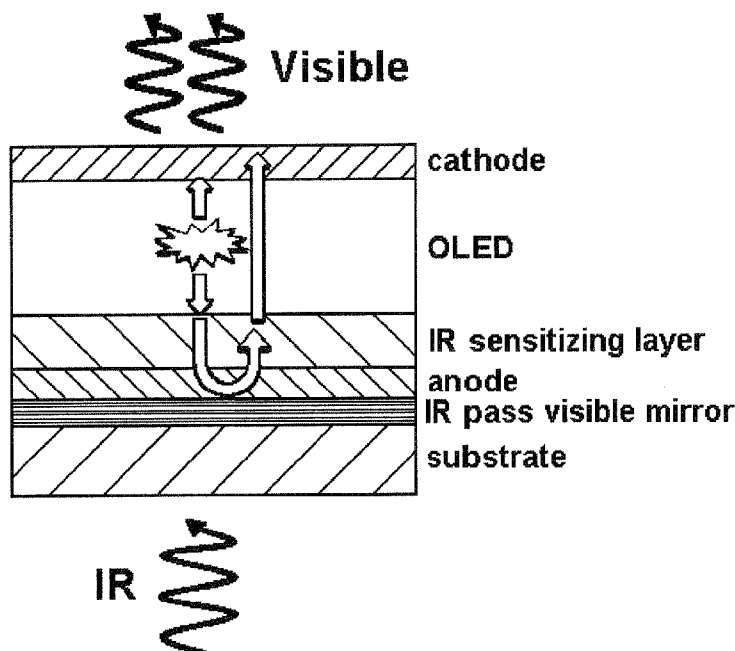


Figure 2

(57) Abstract: An IR-to-Visible up-conversion device with a stacked layer structure includes an IR pass visible blocking layer such that the IR entry face of the stacked device allows IR radiation, particularly MR radiation, to enter the device but visible light generated by a light emitting diode (LED) to be blocked from exit at that IR entry face of the device. The device has an IR transparent electrode at the IR entry face and a visible light transparent electrode such that the visible light can exit the device at a visible light detection face opposite the IR entry face.



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