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(54) **Title**: INFRARED IMAGING DEVICE INTEGRATING AN IR UP-CONVERSION DEVICE WITH A CMOS IMAGE SENSOR

(57) **Abstract**: Imaging devices include an IR up-conversion device on a CMOS imaging sensor (CIS) where the up-conversion device comprises a transparent multilayer stack. The multilayer stack includes an IR sensitizing layer and a light emitting layer situated between a transparent anode and a transparent cathode. In embodiments of the invention, the multilayer stack is formed on a transparent support that is coupled to the CIS by a mechanical fastener or an adhesive or by lamination. In another embodiment of the invention, the CIS functions as a supporting substrate for formation of the multilayer stack.