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(54) Title: DEEP FLUORESCENCE IMAGING BY LASER-SCANNING EXCITATION AND ARTIFICIAL NEURAL NETWORK PROCESSING

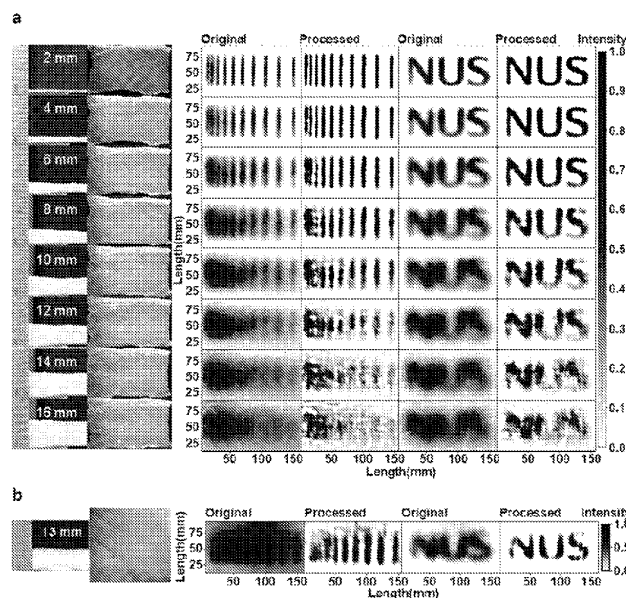


FIG. 5

(57) Abstract: The current invention relates to the use of a neural network to improve the quality of images obtained from light scattered by an intermediate object that scatters light, such as tissue or a frosted screen. The invention relates to a method of imaging a human or animal body using a nanocrystal array capable of fluorescing upon excitation from light from a near-infrared light source. This invention also relates to detection means and apparatus used in said methods, as well as to quantum dots useful in said use.

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