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(54) Title: COMPOSITIONS AND SYSTEMS FOR RENAL FUNCTION DETERMINATION

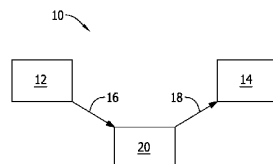
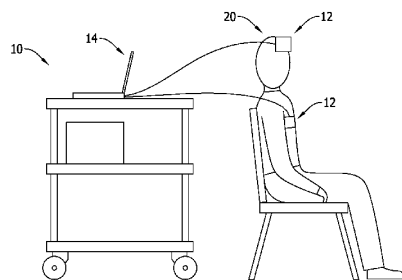


FIG. 2

(57) Abstract: The present disclosure relates to systems and methods for determining the renal glomerular filtration rate or assessing the renal function in a patient in need thereof. The system includes a computing device, a power supply, one or more sensors, and at least one tracer agent that fluoresces when exposed to electromagnetic radiation. The electromagnetic radiation is detected using the sensors, and the rate in which the fluorescence decreases in the patient is used to calculate the renal glomerular filtration rate in the patient.



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