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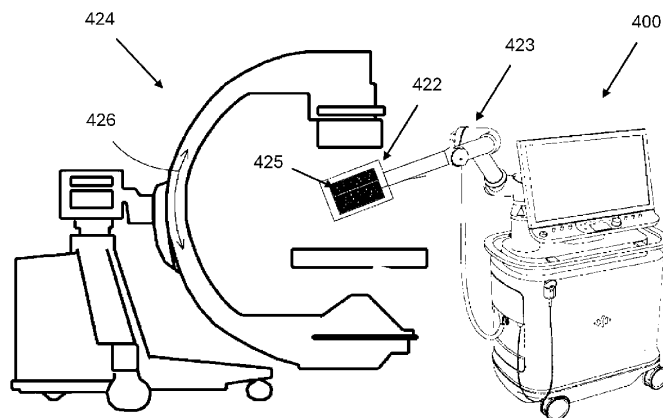
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(54) Title: CONE-BEAM COMPUTED TOMOGRAPHY HISTOTRIPSY SYSTEMS AND METHODS

FIG. 4E



(57) Abstract: A system and method for registering a coordinate system of a cone-beam computed tomography (CT) imaging device and a robotic histotripsy system, including robotically driving a phantom connected to a robotic arm to an imaging location, importing cone-beam CT images captured by a cone-beam CT imaging device of the phantom, displaying an image from the imported cone-beam CT images of the phantom, wherein the displayed image depicts at least one marker in the phantom, assessing a number and orientation of the at least one marker in the imported cone-beam CT images compared to a known number and orientation of the at least one marker in the phantom, and registering a coordinate system of the cone-beam CT imaging device to a coordinate system of the histotripsy system.

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