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ACTION

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(54) Title: SIMULATION SYSTEM FOR IMAGE-GUIDED MEDICAL PROCEDURES

(57) Abstract: A system and method for computer simulation of image-guided diagnostic and therapeutic procedures such as vascular catheterization, angioplasty, stent, coil and graft placement, embolotherapy and drug infusion therapy. In a preferred aspect, the system is configured to resemble a cardiovascular catheterization laboratory where interventional radiology procedures are performed. A first user (1) may interactively manipulate therapeutic catheters, guidewires and other medical devices (5) in real-time while viewing patient-specific medical image data (2) in a manner similar to that encountered in a clinical procedure.