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(54) Title: PATIENT-SPECIFIC MODELING OF HEMODYNAMIC PARAMETERS IN CORONARY ARTERIES

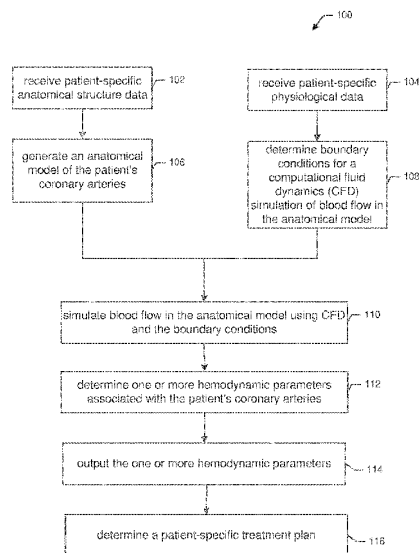


FIG. 2

(57) Abstract: Systems, methods, and computer-readable media are disclosed for patient-specific modeling of hemodynamic parameters in coronary arteries. Example methods may include performing computational fluid dynamics simulations using a patient-specific coronary artery anatomical model derived from medical imaging data and patient-specific boundary conditions derived from a continuously recorded blood pressure waveform to determine patient-specific hemodynamic parameters in a patient's coronary arteries.



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