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(54) Title: ENHANCED USER INTERFACE AND CROSSTALK ANALYSIS FOR VASCULAR INDEX MEASUREMENT

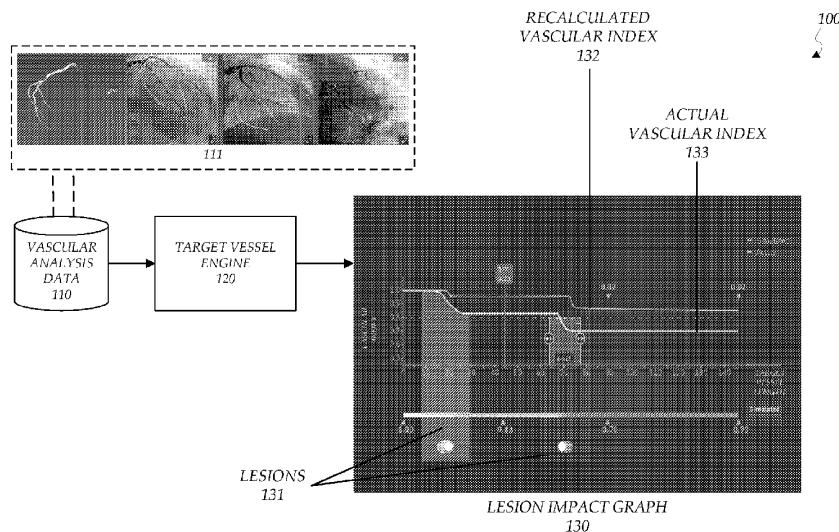


FIG. 1

(57) **Abstract:** Systems and methods for enhanced user interface and crosstalk analysis for cardiac index determination. An example method includes accessing a cardiac model of a portion of a patient's heart, the portion including one or more vessels of the patient's heart, and the cardiac model indicating a plurality of lesions along a length of at least one of the vessels; obtaining, based on the cardiac model for the lesions, respective positions along the length for which the lesions are associated with index drops, wherein the index drops are with respect to an index indicative of vascular function; and causing presentation of a user interface, wherein the user interface: presents a graph mapping the length to the index indicative of vascular function, presents individual toggles enabling nulling of individual lesions, and updates the graph in response to received user input to one or more of the toggles, wherein the user input nulls effects of one or more lesions.

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