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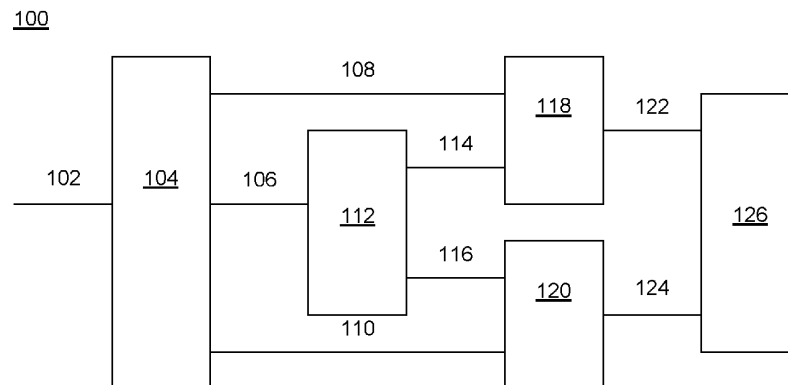


FIG. 1

(57) Abstract: An embodiment of the invention provides a system for automatically deriving a parameter of a human heart from ultrasound results. A first neural network is arranged to receive a plurality of echocardiographic images and to classify the images into one of at least a two-chamber view and a four-chamber view. A second neural network is arranged to receive echocardiographic images comprising a two- or four-chamber view and to identify the endocardial border of the left ventricle (LV) for each view. End-systole and end-diastole images are then identified and a parameter such as LV volume, ejection fraction, global longitudinal strain and regional longitudinal strain is calculated.

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WO 2021/176237 A1

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