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(54) Title: SYSTEM AND METHOD FOR VENTRICULAR ASSISTANCE SUPPORT DURING EXTRACORPOREAL MEM-
BRANE OXYGENATION

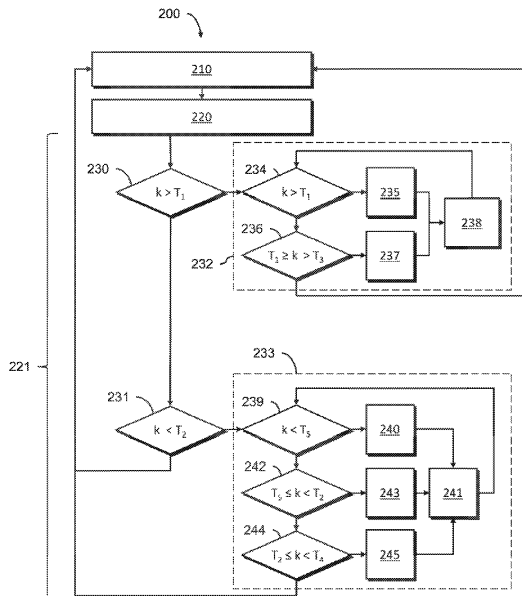


FIG. 4

(57) Abstract: A controller for a blood pump, in particular a catheter-based intravascular blood pump, configured to utilize detected or determined aortic pressures and left ventricular pressures in order to calculate a coupling factor, which is then used to determine how to adjust the rotational speed of the blood pump, such as when the blood pump is used in conjunction with ECMO devices.

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