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(54) Title: LOCO-REGIONAL PERFUSION OF AN UNARRESTED BEATING HEART

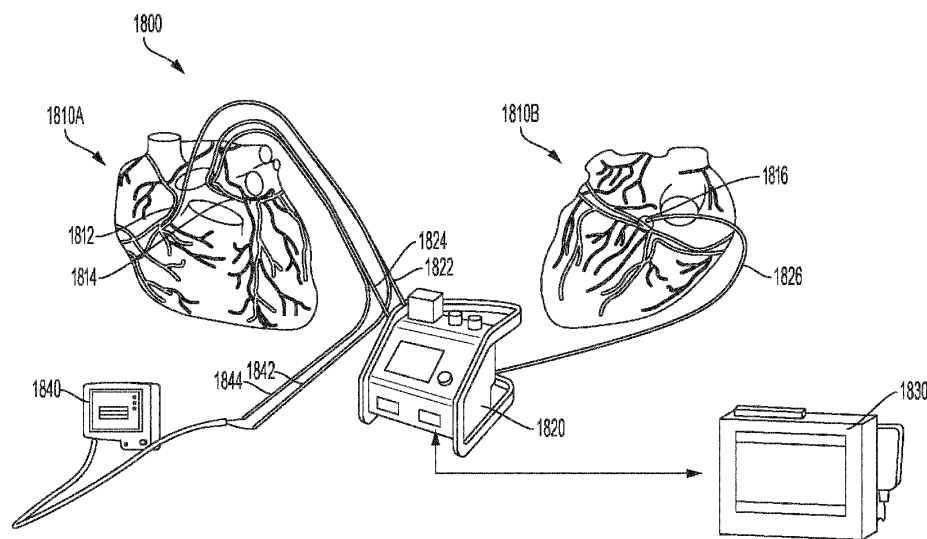


FIG. 18A

(57) Abstract: Disclosed is a method for treating a heart condition by perfusing a drug through an un-arrested beating heart of a patient. A closed circuit through the patient's coronary arteries and coronary venous system may be formed from a first drug delivery catheter (1822) positioned in the right coronary artery, a second drug delivery catheter (1824) positioned in the left coronary artery, a drug recovery catheter (1826) positioned in a coronary sinus, and an external membrane oxygenation system (1820) fluidly coupled to the various catheters. A drug for treating a heart condition may be perfused through the closed circuit.

[Continued on next page]

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