HEART PUMP ASSEMBLY WITH A BLOOD INLET CONFIGURED TO INCREASE BLOOD FLOW

ABSTRACT

A heart pump assembly having a blood inlet configured to increase blood flow into the heart pump assembly is disclosed herein. The heart pump assembly includes a motor housing, a cannula connected to the motor housing, and a blood inlet connected to the cannula. The blood inlet has a distal body portion, a proximal body portion defining an inlet conduit therewithin, and a plurality of cage openings defined and positioned between the distal and proximal body portions. The inlet conduit has one of a tapered portion, a frustrum-shaped portion, or both a tapered portion and a frustrum-shaped portion and is adapted to reduce flow turbulence at the blood inlet and increase the blood flow into the heart pump.

[Fig. 2]