

Blood access assembly for artificial lung (AL) and right ventricular assist device (RVAD) - 1586

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Technology description

Market Opportunities

This invention has potential as a medical device relating to cardiology and systems where artificial lungs and right ventricular assist devices are used.

Technology Solution

The invention provides a way to access the interior of the heart by using an occludable conduit and a dual lumen cannula. The conduit can be passed through the chest wall and the wall of the right atrium and anastomosed to the skin of these walls. The system can also pass through a heart septum to access the interior of the left atrium in order to use with an artificial lung.

Application area

medical devices; artificial lung; right ventricular assist device

Advantages

Invention provides a long-term solution for removing blood from a patient for oxygenation and removal of carbon dioxide. This is ideal for those patients who may need repeated access to the interior of the heart for procedures such as right ventricular assist procedures and artificial lung procedures.

Institution

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