

Title (en)

CATHETER FOR PORTABLE LUNG ASSIST DEVICE

Title (de)

KATHETER FÜR TRAGBARE LUNGENUNTERSTÜTZUNGSVORRICHTUNG

Title (fr)

CATHÉTER POUR DISPOSITIF D'ASSISTANCE PULMONAIRE PORTABLE

Publication

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Application

**EP 15782659 A 20150423**

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- US 2015027334 W 20150423

Abstract (en)

[origin: WO2015164629A1] The present invention relates to a catheter for use with a lung assist device that minimizes or eliminates the recirculation of oxygenated blood. The catheter of the present invention can be used to drain blood from multiple points in the patient, namely the superior vena cava, right atrium, and the right ventricle, while returning blood to the patient's pulmonary artery. Further, the catheter of the present invention is less likely to be moved or dislodged than catheters currently available in the art, thus making the catheter particularly useful for portable lung assist devices. The present invention also relates to methods for inserting the catheter into the patient and using the catheter with a lung assist device. The present invention also relates to a portable lung assist device. In one embodiment, the portable lung assist device includes an integrated oxygenator, blood pump, and catheter. In one embodiment, the portable lung assist device of the present invention does not require an oxygen tank, but instead can provide oxygen to a subject's blood from ambient air.

IPC 8 full level

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Citation (search report)

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- [XY] US 4985014 A 19910115 - OREJOLA WILMO C [US]
- [X] WO 9937352 A1 19990729 - MEDTRONIC INC [US]
- See also references of WO 2015164629A1

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