

Title (en)
APPARATUS AND METHOD PARTICULARLY FOR SUBSTITUTING CLOSED CIRCUIT ELEMENTS FOR EXTRACORPOREAL CIRCULATION

Title (de)
GERÄT UND VERFAHREN ZUM AUSWECHSELN VON ELEMENTEN EINES GESCHLOSSENEN EXTRAKORPORALEN KREISLAUFS

Title (fr)
APPAREIL ET PROCEDE PERMETTANT NOTAMMENT DE REMPLACER LES ELEMENTS DE CIRCUIT FERME EN CIRCULATION EXTRACORPORELLE

Publication
EP 1610844 A1 20060104 (EN)

Application
EP 04725974 A 20040406

Priority
• IB 2004001257 W 20040406
• IT MI20030696 A 20030408

Abstract (en)
[origin: WO2004089444A1] An apparatus and a method particularly for substituting one or more active elements of circuits for extracorporeal circulation (ECC), circuits for extracorporeal respiratory support with membrane oxygenation machine (ECMO), or other similar systems. In particular, the element is preferably selected from the group that consists of the oxygenation chamber (15) and the heat exchanger (16). Preferably, the present invention relates to an apparatus and a method for substituting elements of ECC circuits without interrupting circulation, for example if the maximum utilization times of the elements as stated by the manufacturer are exceeded.

IPC 1-7
A61M 1/36

IPC 8 full level
A61M 1/16 (2006.01); **A61M 1/36** (2006.01)

CPC (source: EP US)
A61M 1/1698 (2013.01 - EP); **A61M 1/3623** (2022.05 - EP US); **A61M 1/3666** (2013.01 - EP); **A61M 1/367** (2013.01 - EP US); **A61M 1/369** (2013.01 - EP)

Citation (search report)
See references of WO 2004089444A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004089444 A1 20041021; EP 1610844 A1 20060104; IT MI20030696 A1 20041009; RU 2005134352 A 20060810

DOCDB simple family (application)
IB 2004001257 W 20040406; EP 04725974 A 20040406; IT MI20030696 A 20030408; RU 2005134352 A 20040406