

Title (en)

SYSTEM FOR EXSANGUINOUS METABOLIC SUPPORT OF AN ORGAN OR TISSUE

Title (de)

SYSTEM FÜR EXSANGUINÄRE METABOLISCHE UNTERSTÜTZUNG EINES ORGANS ODER GEWEBES

Title (fr)

SYSTEME SUPPORT METABOLIQUE EXSANGUINE D'UN ORGANE OU TISSU

Publication

EP 1181032 A1 20020227 (EN)

Application

EP 00923303 A 20000413

Priority

- US 0009894 W 20000413
- US 12925799 P 19990414

Abstract (en)

[origin: WO0061166A1] An exsanguinous metabolic support system for maintaining an organ or tissue at a near normal metabolic rate is disclosed. The system employs a warm perfusion solution capable of supporting the metabolism of the organ or tissue thereby preserving its functional integrity. The system also monitors parameters of the circulating perfusion solution, such as pH, temperature, osmolarity, flow rate, vascular pressure and partial pressure of respiratory gases, and regulates them to insure that the organ is maintained under near-physiologic conditions. Use of the system for long-term maintenance of organs for transplantation, for resuscitation and repair of organs having sustained warm ischemic damage, as a pharmaceutical delivery system and prognosticator of posttransplantation organ function is also disclosed.

IPC 1-7

A61K 38/00; **A61K 31/70**; **C12N 5/00**; **C12N 15/00**; **A01N 1/02**

IPC 8 full level

A01N 1/02 (2006.01)

CPC (source: EP)

A01N 1/02 (2013.01); **A01N 1/0247** (2013.01)

Cited by

CN106659150A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0061166 A1 20001019; **WO 0061166 A9 20020131**; AU 4345400 A 20001114; CA 2376607 A1 20001019; CA 2376607 C 20140610; CA 2847723 A1 20001019; EP 1181032 A1 20020227; EP 1181032 A4 20040825

DOCDB simple family (application)

US 0009894 W 20000413; AU 4345400 A 20000413; CA 2376607 A 20000413; CA 2847723 A 20000413; EP 00923303 A 20000413