

Title (en)

XENON-BASED GASEOUS ANAESTHETIC TO BE ADMINISTERED VIA A HEART LUNG MACHINE

Title (de)

GASFÖRMIGE NARKOSEMITTEL AUF XENONBASIS ZUR VERABREICHUNG ÜBER EINE HERZ-LUNGEN-MASCHINE

Title (fr)

ANESTHÉSIQUE GAZEUX À BASE DE XÉNON DESTINÉ À ÊTRE ADMINISTRÉ PAR LE BIAIS D'UN CŒUR-POUMON ARTIFICIEL

Publication

EP 2344219 A1 20110720 (EN)

Application

EP 09783487 A 20090928

Priority

- EP 2009062528 W 20090928
- US 10296008 P 20081006

Abstract (en)

[origin: WO2010040656A1] An apparatus and a method for maintaining or for providing an anesthesia to a patient undergoing a CPB procedure, comprising the steps of extracting at least a part of the patient's blood from the patient's body, said blood containing a first partial pressure of xenon, circulating the extracted blood through a heart-lung machine comprising at least a membrane having a liquid side and a gas side, contacting a xenon-containing gas with the gas side of the membrane of the heart-lung machine, while contacting, at the same time, the patient's blood circulating through the heart-lung machine with the liquid side of the membrane, applying or maintaining a second partial pressure of xenon on the gas side of the membrane, and re-introducing into the patient's body, the xenon-containing blood coming from the heart-lung machine and having been in contact with the membrane.

IPC 8 full level

A61M 1/16 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2010040656A1

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