

Title (en)

TREATMENT ASPECTS FOR REDUCING THE CARBON DIOXIDE CONTENT IN THE BLOOD

Title (de)

BEHANDLUNGSASPEKTE ZUR REDUZIERUNG DES KOHLENDIOXIDGEHALTS IM BLUT

Title (fr)

ASPECTS DE TRAITEMENT POUR LA RÉDUCTION DE LA TENEUR EN DIOXYDE DE CARBONE DANS LE SANG

Publication

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Application

EP 18833664 A 20181221

Priority

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- EP 2018086750 W 20181221

Abstract (en)

[origin: WO2019122407A2] The present invention relates to various aspects of a procedure for reducing the carbon dioxide content in the blood in the treatment of patients. A first aspect of the present invention relates to a buffer solution for use in the reduction of the carbon dioxide content in the blood in the treatment of a patient who suffers from pulmonary insufficiency or the complete failure of the lung function, wherein the liquid is in gas exchange with a portion of the blood of the patient, which is guided via an extracorporeal circuit. The first aspect of the invention further relates to a device for extracorporeal reduction of the carbon dioxide content in the blood using said buffer solution. A second aspect of the invention relates to a system for extracorporeal blood treatment, likewise using said buffer solution and the device, and also to a treatment device for extracorporeal blood treatment comprising the aforementioned system. A third aspect of the invention relates to a functional unit for carrying out an extracorporeal blood treatment, a blood guiding device for interacting with the functional unit for carrying out an extracorporeal blood treatment using the aforementioned buffer solution, comprising a blood treatment element, wherein the blood treatment element is the aforementioned device for extracorporeal reduction of the carbon dioxide content in the blood. In a fourth aspect, the invention relates to a treatment system comprising the aforementioned device for extracorporeal reduction of the carbon dioxide content in the blood and a balancing device. In a fifth aspect, the invention relates to a treatment system comprising the aforementioned device for extracorporeal reduction of the carbon dioxide content in the blood and a means for reducing the pressure of the aforementioned buffer solution used in said treatment system.

IPC 8 full level

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C-Set (source: EP)

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