

Title (en)
NOVEL COMPOSITION AND SOLUTION WITH CONTROLLED CALCIUM ION LEVEL, AND RELATED METHOD AND USE FOR REPERFUSION

Title (de)
NEUARTIGE ZUSAMMENSETZUNG UND LÖSUNG MIT KONTROLLIERTEM CALCIUMIONENGEHALT UND ZUGEHÖRIGES VERFAHREN UND VERWENDUNG ZUR REPERFUSION

Title (fr)
NOUVELLE COMPOSITION ET SOLUTION AYANT UN NIVEAU D'IONS CALCIUM CONTRÔLÉ, PROCÉDÉ ASSOCIÉ ET SON UTILISATION EN REPERFUSION

Publication
EP 3209128 A1 20170830 (EN)

Application
EP 15853016 A 20151023

Priority

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Abstract (en)
[origin: WO2016061700A1] A solution comprises a preservation mixture comprising a calcium ion source; and a buffer for maintaining a pH of the solution. The molar concentration of calcium ion (Ca²⁺) in the solution is from 0.18 to 0.26 mmol/L, and the pH is lower than 7.4 and higher than 6.6. A composition for preparing the solution may comprise adenosine, lidocaine, and a calcium source, wherein the molar ratio of adenosine:calcium is from 0.3:0.26 to 0.45:0.18, and the molar ratio of lidocaine:calcium is from 0.04:0.26 to 0.09:0.18. A donor heart may be reperfused with the solution. The solution may be used for reperfusion of a donor heart, such as at a temperature from about 25 to about 37 °C. The donor may be a donor after circulatory death.

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