

Title (en)

METHOD FOR THE IN VITRO OR EX VIVO AMPLIFICATION OF HUMAN ADIPOSE TISSUE STEM CELLS

Title (de)

VERFAHREN ZUR IN-VITRO- ODER EX-VIVO-AMPLIFIKATION VON HUMANEN FETTGEWEBESTAMMZELLEN

Title (fr)

PROCEDE D'AMPLIFICATION IN VITRO OU EX VIVO DE CELLULES SOUCHES DU TISSU ADIPEUX HUMAIN

Publication

EP 3966317 A1 20220316 (FR)

Application

EP 20700217 A 20200113

Priority

- FR 1900287 A 20190111
- EP 2020050720 W 20200113

Abstract (en)

[origin: WO2020144381A1] The subject matter of the present invention is a method for their vitro or ex vivo amplification of human adipose tissue stem cells. This method comprises the following steps: extracting a stromal vascular fraction of a human adipose tissue comprising endothelial cells of the human adipose tissue vascular network and human adipose tissue stem cells, and an extracellular matrix of said human adipose tissue, said extracellular matrix comprising endothelial cells of the human adipose tissue vascular network, human adipose tissue stem cells and collagen; mixing said stromal vascular fraction and said extracellular matrix; and culturing the mixture obtained in the preceding step, in suspension, in a culture medium.

IPC 8 full level

C12N 5/077 (2010.01); **C12N 5/071** (2010.01); **C12N 5/075** (2010.01)

CPC (source: EP US)

A61L 27/362 (2013.01 - US); **A61L 27/3633** (2013.01 - US); **A61L 27/3834** (2013.01 - US); **C12M 23/14** (2013.01 - US); **C12N 5/0653** (2013.01 - EP US); **C12N 5/0667** (2013.01 - EP); **C12N 5/069** (2013.01 - EP); **C12N 5/0697** (2013.01 - EP US); **A61L 2430/34** (2013.01 - US); **A61L 2430/40** (2013.01 - US); **C12N 2501/105** (2013.01 - US); **C12N 2501/11** (2013.01 - US); **C12N 2501/115** (2013.01 - US); **C12N 2501/39** (2013.01 - US); **C12N 2501/91** (2013.01 - US); **C12N 2501/999** (2013.01 - US); **C12N 2502/1305** (2013.01 - EP); **C12N 2502/1382** (2013.01 - EP); **C12N 2502/28** (2013.01 - EP); **C12N 2506/1384** (2013.01 - US); **C12N 2513/00** (2013.01 - US); **C12N 2533/54** (2013.01 - US); **C12N 2533/90** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020144381 A1 20200716; CA 3125836 A1 20200716; EP 3966317 A1 20220316; FR 3091707 A1 20200717; FR 3091707 B1 20240524; JP 2022518159 A 20220314; US 2022098552 A1 20220331

DOCDB simple family (application)

EP 2020050720 W 20200113; CA 3125836 A 20200113; EP 20700217 A 20200113; FR 1900287 A 20190111; JP 2021539468 A 20200113; US 202017421840 A 20200113