

Title (en)  
DEDIFFERENTIATED, PROGRAMMABLE STEM CELLS HAVING A MONOCYTIC ORIGIN AND THE PRODUCTION AND USE THEREOF

Title (de)  
DEDIFFERENZIERTE, PROGRAMMIERBARE STAMMZELLEN MONOZYT REN UR SPRUNGS, SOWIE DEREN HERSTELLUNG UND VERWENDUNG

Title (fr)  
CELLULES SOUCHES DEDIFFERENCIEES PROGRAMMABLES, D'ORIGINE MONOCYTIQUE, AINSI QUE LEUR PRODUCTION ET LEUR UTILISATION

Publication  
**EP 1490479 A1 20041229 (DE)**

Application  
**EP 03704703 A 20030225**

Priority  
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Abstract (en)  
[origin: DE10214095C1] Producing dedifferentiated, programmable stem cells of human monocytic origin, comprises isolating monocytes from human blood, propagating the monocytes in a culture medium which contains the cellular growth factor M-CSF, cultivating the monocytes, subsequently or simultaneously, in a culture medium containing IL-3 and obtaining the human adult dedifferentiated programmable stem cells by separating the cells from the culture medium. Independent claims are also included for: (1) dedifferentiated, programmable stem cells of human monocytic origin; (2) a pharmaceutical composition containing the dedifferentiated, programmable stem cells of (1); (3) differentiated, isolated, somatic target cells and/or target tissue, obtained by reprogramming the stem cells of (1), comprising the membrane-associated surface antigen CD14; and (4) implantable materials coated with the dedifferentiated, programmable stem cells of (1) or the somatic target cells and/or target tissue of (3).

IPC 1-7  
**C12N 5/08; A61K 35/12; A61L 27/38**

IPC 8 full level  
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