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(54) Title: METHODS OF ORGAN REGENERATION

(57) Abstract: The invention features methods for increasing or maintaining the number of functional cells of a predetermined type in a mammal (e.g., a human patient), for example, the insulin producing cells of the pancreas, liver cells, spleen cells, or bone cells, that has injured or damaged cells of the predetermined type or is deficient in cells of the predetermined type.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/37998

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61K 35/26(2006.01);A61K 39/00(2006.01);C12N 5/06(2006.01);C12N 5/08(2006.01)

USPC: 424/184.1,577,578;435/326,372

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424 /184.1,577,578; 435/326,372

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X(P)	US 6,660,487 (FAUSTMAN et al) 9 December 2003, (09.12.2003) see entire document	1-55

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O"	document referring to an oral disclosure, use, exhibition or other means	
"P"	document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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Continuation of B. FIELDS SEARCHED Item 3:
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Search terms: inventor name search, pluriopotent cell, Hox11, TNF-alfa; agonist