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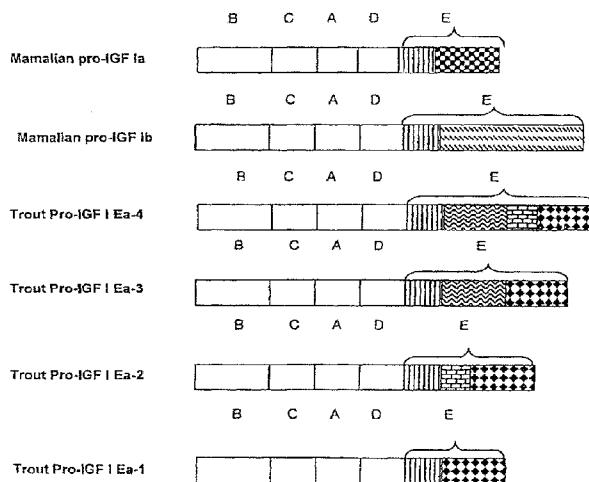
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(54) Title: COMPOSITIONS AND METHODS FOR PROMOTING TISSUE REPAIR AND WOUND HEALING

FIG. 1A



(57) Abstract: A method is described for using the Ea4-peptide of pro-IGF-I or human Ebpeptide of pro-IGF-I for enhancing the proliferation of fibroblasts and closure of wound. The peptide species can be homologue of trout Ea4-peptide, human Eb-peptide of pro-IGF-I or a fusion protein comprising the Ea4- or Eb-peptide of pro-IGF-I. It can be administered any wound in a pharmaceutically acceptable composition alone or in combination with other compounds.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 10/34769

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61K 38/00 (2010.01)

USPC - 514/12; 514/2

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)

IPC(8): A61K 38/00 (2010.01)

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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)  
 PubWest, DialogPRO--Chemical Engineering and Biotechnology Abstracts, INSPEC, NTIS (National Technical Information Service), PASCAL, Current Contents Search, MEDLINE search terms: Insulin growth factor 1, E peptide, wound repair, fibroblast proliferation, burn, cut, abrasion, gel, lotion, emulsion, fluorescent protein

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2000/005262 A1 (Chen, et al.) 03 February 2000 (03.02.2000), pg 3, ln 8; pg 5, ln 27-29; pg 9, ln 19-29; pg 10, ln 4-6.	1, 4, 5, 6
Y		7, 10-12
A		2, 3, 8, 9
Y	WO 2007/141309A2 (Glass, et al.) 13 December 2007 (13.12.2007), SEQ ID NO:3.	7
A		2, 3, 8, 9
Y	US 2007/0065415 A1 (Kleinsek, et al.) 22 March 2007 (22.03.2007), para [0002], [0015], [0059], [0135].	7, 10-12
A	ROTHEIN, et al., Organization and sequence of the human insulin-like growth factor I RT gene. Alternative RNA processing produces two insulin-like growth RT factor I precursor peptides, J Biol Chem (1986) vol 261, pg 4828-4832, amino acids corresponding to nucleotides 2367-2826.	2, 3, 8, 9

☐ Further documents are listed in the continuation of Box C.


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