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Shimadzu Biotech Axima Confidence 2.8.3.20080616: Mode Linear_SARAWIS, Power: 73, Blanked, P.Ext. @ 2000 (bin 66)

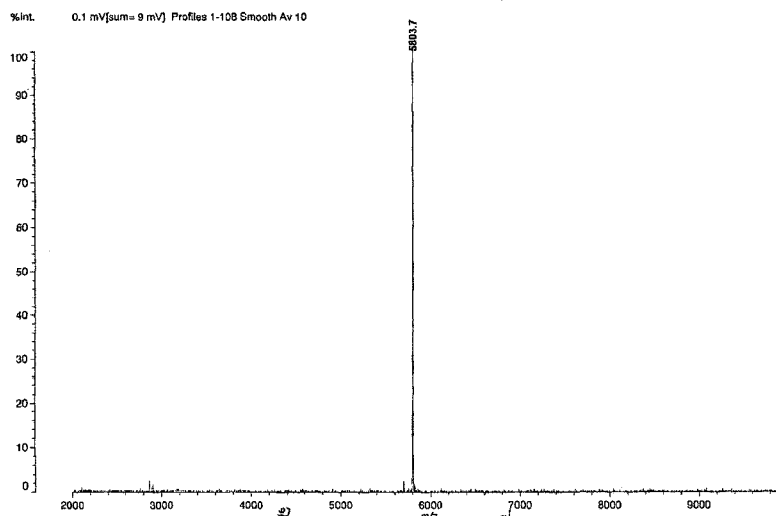


Figure 1

(57) **Abstract:** The invention provides a polypeptide comprising an insulin precursor and the N-terminal helper sequence MAKR. The helper sequence enhances the expression of the insulin precursor in a recombinant organism and increases the yields of insulin after purification and processing of the insulin precursor. The invention is thus further concerned with a method of producing insulin, in which proinsulin is expressed as recombinant polypeptide in an organism such as *E. coli*, isolated from the organism and then processed to yield active insulin.

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
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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)
C07K

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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	WO 2012/048856 A1 (GLUCOMETRIX PVS GMBH [DE]; PONOMARENKO SOPHIA [DE]; HERMANN STEFAN [DE] 19 April 2012 (2012-04-19) claims 1-14	1-14
A	----- EP 0 534 705 A2 (LILLY CO ELI [US]) 31 March 1993 (1993-03-31) claims 1-10 examples 29-32 table 2	1-14
A	----- WO 01/18215 A1 (MAX PLANCK GES E V [DE]; JENNE DIETER [DE]; WILHARM ELKE [DE]; PARRY M) 15 March 2001 (2001-03-15) claims 1-14	1-14



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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