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(54) Title: FACTOR X ANALOG WITH AN IMPROVED ABILITY TO BE ACTIVATED

(57) Abstract: This invention describes a factor Xa analog which has a substitution of a minimum of one of the amino acid between Glu226 and Arg234 and possibly Ile235, relative to the amino acid numbering according to Figure 1, a preparation containing the activated form of the factor X analog, and a method for the production of these molecules.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C12N9/64 C12N15/12 A61K38/48 C12N15/62

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 7 C12N A61K

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 practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 38317 A (HIMMELSPACH MICHELE ;EIBL JOHANN (AT); IMMUNO AG (AT); SCHLOKAT UW) 3 September 1998 (1998-09-03) cited in the application * replacement of the last four amino acids of the fX activation peptide with fIX-activation peptide-derived sequences: cleavable/activatable by fXIa * the whole document --- -/--	1, 2, 8-43

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>HIMMELSPACH, M. ET AL.: "Alteration of the specificity of fX activation by substitution of amino acids constitute its activation site." THROMBOSIS AND HAEMOSTASIS, vol. Suppl., 1 August 1999 (1999-08-01), pages 758-Abstr. 2394, XP000982495</p> <p>* activation specificity lies in last amino acids of activation peptide; cleavage of fX mutant by fXIa after introduction of up to 4 amino acids from fIX cleavage site for fXIa * the whole document</p>	<p>1,2,8, 11,12, 14, 16-20, 22,23, 25-30, 32-34, 36-39, 42,43</p>
A	<p>WO 94 29370 A (ENZON INC) 22 December 1994 (1994-12-22) * fIX sequence * the whole document</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

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