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(54) Title: PROCESS FOR THE SYNTHESIS OF PEPTIDES AMIDES BY SIDE-CHAIN ATTACHEMENT TO A SOLID PHASE

(57) Abstract: A process is provided for the solid-phase synthesis of a peptide amide which comprises attaching a α -nitrogen protected C α -carboxamide amino acid to a solid support by its side chain, removing the α -nitrogen protecting group, assembling a peptide chain on said α -nitrogen and then cleaving the assembled peptide amide from the solid support. Novel amino acid analogues, peptide amides and solid-phase supports are also provided.

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INTERNATIONAL SEARCH REPORT

Internationa Application No
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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K1/00 C07K7/06 C07K14/75 C07C271/22

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 C07K C07C

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)

CHEM ABS Data, WPI Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

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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

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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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* & * document member of the same patent family

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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.
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X	Z YAO ET AL.: "Synthesis of FMOC-protected 4-carboxydifluoromethyl-L-phenylalanine: a phosphotyrosylmimetic of potential use for signal transduction studies" TETRAHEDRON., vol. 55, 1999, pages 2865-2874, XP004157124 ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM., NL ISSN: 0040-4020 figure 1 ---	12
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Application No

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