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(71) Applicant (for all designated States except US): **NOVO NORDISK A/S** [DK/DK]; Novo Allé, DK-2880 Bagsværd (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SENSFUSS, Ulrich** [DE/DK]; Sankelmarksvej 11, 5. tv., DK-1676 København V (DK). **CHRISTENSEN, Leif** [DK/DK]; Løvsangervej 54, DK-4000 Roskilde (DK).

(74) Common Representative: **NOVO NORDISK A/S**; Corporate Patents, Novo Allé, DK-2880 Bagsværd (DK).

(81) Designated States (unless otherwise indicated, for every

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PEPTIDES FOR USE IN TREATING OF OBESITY

(57) Abstract: The present invention relates to novel peptide compounds which are effective in modulating one or more melanocortin receptor types, to the use of the compounds in therapy, to methods of treatment comprising administration of the compounds to patients in need thereof, and to the use of the compounds in the manufacture of medicaments. The compounds of the invention are of particular interest in relation to the treatment of obesity as well as a variety of diseases or conditions associated with obesity.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2005/055762

A. CLASSIFICATION OF SUBJECT MATTER
 INV. C07K14/68 A61K38/34 C07K7/50 C07K7/64 A61K38/12
 A61K47/48

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 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)

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.

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

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"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

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

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Date of mailing of the international search report

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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Vogt, T

INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2005/055762

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	AL-OBEIDI F ET AL: "Synthesis and biological activities of fatty acid conjugates of a cyclic lactam alpha-melanotropin" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 35, 1992, pages 118-123, XP002244695 ISSN: 0022-2623 the whole document	1-24
Y	WO 02/18437 A (F. HOFFMANN-LA ROCHE AG) 7 March 2002 (2002-03-07) the whole document	1-43
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A	HOLDER J R ET AL: "MELANOCORTIN LIGANS: 30 YEARS OF STRUCTURES-ACTIVITY RELATIONSHIP (SAR) STUDIES" MEDICINAL RESEARCH REVIEWS, NEW YORK, NY, US, vol. 24, no. 3, 10 February 2004 (2004-02-10), pages 325-356, XP009044667 ISSN: 0198-6325 the whole document	
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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2005/055762

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FOSTER A C ET AL: "BODY WEIGHT REGULATION BY SELECTIVE MC4 RECEPTOR AGONISTS AND ANTAGONISTS" ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, NEW YORK ACADEMY OF SCIENCES, NEW YORK, NY, US, vol. 994, June 2003 (2003-06), pages 103-110, XP009060932 ISSN: 0077-8923 the whole document -----	
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2005/055762

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 25-40
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 25-40 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2005/055762

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