

Title (en)

ENZYMATIC TREATMENT OF WHEY PROTEINS FOR THE PRODUCTION OF ANTIHYPERTENSIVE PEPTIDES, THE RESULTING PRODUCTS AND TREATMENT OF HYPERTENSION IN MAMMALS

Title (de)

ENZYMATISCHE BEHANDLUNG VON MOLKEPROTEINEN ZUR PRODUKTION VON BLUTDRUCKSENKENDEN PEPTIDEN, RESULTIERENDE PRODUKTE DARAUS UND BEHANDLUNG VON BLUTDRUCK IN SÄUGERN

Title (fr)

TRAITEMENT ENZYMATIQUE DES PROTEINES DE LACTOSERUM PERMETTANT D'OBTENIR DES PEPTIDES ANTI-HYPERTENSION, PRODUITS OBTENUS ET TRAITEMENT DE L'HYPERTENSION CHEZ LES MAMMIFERES

Publication

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Application

EP 01933181 A 20010508

Priority

- US 0114797 W 20010508
- US 56728300 A 20000508
- US 70206800 A 20001030

Abstract (en)

[origin: WO0185984A1] Enzymatic digests of whey protein concentrates were prepared using animal, bacterial and fungal proteases, and evaluated for antihypertensive activities. ACE-inhibitory activity and antihypertension activity were obtained with a hydrolysate of whey protein isolate prepared with a porcine trypsin.

IPC 1-7

C12Q 1/34; C12Q 1/37; A61P 9/12

IPC 8 full level

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CPC (source: EP)

A23J 3/343 (2013.01); **A61K 38/556** (2013.01); **A61P 9/12** (2017.12); **A61P 43/00** (2017.12); **C12P 21/06** (2013.01)

Citation (search report)

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- [A] EP 0821968 A2 19980204 - CALPIS FOOD IND CO LTD [JP]
- [X] DATABASE WPI Section Ch Week 199248, Derwent World Patents Index; Class B04, AN 1992-392238, XP002311023
- [X] DATABASE WPI Section Ch Week 199816, Derwent World Patents Index; Class B04, AN 1998-172040, XP002311024
- [XD] ABUBAKAR A ET AL: "Structural analysis of new antihypertensive peptides derived from cheese whey protein by proteinase K digestion.", JOURNAL OF DAIRY SCIENCE. DEC 1998, vol. 81, no. 12, December 1998 (1998-12-01), pages 3131 - 3138, XP002937027, ISSN: 0022-0302
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- [X] MULLALLY MARGARET M ET AL: "Angiotensin-I-converting enzyme inhibitory activities of gastric and pancreatic proteinase digests of whey proteins", INTERNATIONAL DAIRY JOURNAL, vol. 7, no. 5, May 1997 (1997-05-01), pages 299 - 303, XP000853725, ISSN: 0958-6946
- [A] DATABASE WPI Section Ch Week 199510, Derwent World Patents Index; Class B04, AN 1995-070230, XP002311025
- See references of WO 0185984A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

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US 0114797 W 20010508; AU 5962501 A 20010508; CA 2415688 A 20010508; EP 01933181 A 20010508; JP 2001582572 A 20010508; MX PA02011018 A 20010508; NZ 52303601 A 20010508