

REVISED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 July 2009 (02.07.2009)

PCT

(10) International Publication Number
WO 2009/082229 A9

(51) International Patent Classification:

A23L 1/305 (2006.01) *A23J 3/34* (2006.01)
A23C 9/154 (2006.01) *A23K 1/16* (2006.01)
A23C 19/09 (2006.01) *A23L 1/05* (2006.01)
A23J 3/30 (2006.01)

(21) International Application Number:

PCT/NL2008/050845

(22) International Filing Date:

22 December 2008 (22.12.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2001123 21 December 2007 (21.12.2007) NL
08156298.5 15 May 2008 (15.05.2008) EP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

27 August 2009

Date of publication of the revised international search report:

15 October 2009

(15) Information about Correction:

see Notice of 15 October 2009

(54) Title: PRE-FIBRIL COMPOSITION AND FIBRILS FROM PROTEINACEOUS MATERIALS

(57) Abstract: Described is a composition of peptides resulting from heat-induced acidic hydrolysis or enzymatic hydrolysis of a protein selected from the group consisting of β -lactoglobulin-containing whey protein preparation, glycinin-containing soy bean protein preparation, patatin, and mixtures thereof. The composition is capable of fibrillary aggregation upon subjection to acidic pH. Thus a pre-fibril composition is provided that has a variety of uses. Thus, they can be used to form fibrils that, in turn, have various structuring and water-retention uses, or they can be used as a food or non-food additive per se. A particular benefit is obtained in human or animal diet foods for weight-control, as the peptide prefibrils will not substantially affect a food's taste or mouthfeel, while fibrillary aggregation in gastric juice will increase satiation.



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