

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FR2020/050726

**A. CLASSIFICATION OF SUBJECT MATTER**

A23J 1/14(2006.01)i; A23J 3/14(2006.01)i; A23L 13/40(2016.01)i

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)

A23J; A23L

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 practicable, search terms used)

EPO-Internal, WPI Data, BIOSIS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2889416 A1 (ROQUETTE FRERES [FR]) 09 February 2007 (2007-02-09) page 3, line 26 - page 4, line 8 page 6, lines 19-26 page 13, line 14 - page 14, line 9 page 17, lines 33-36 example 1; table I	1-14
X	WO 2011124862 A1 (ROQUETTE FRERES [FR]; DHALLEINE CLAIRE [FR]; PASSE DAMIEN [FR]) 13 October 2011 (2011-10-13) page 2, lines 17-20 page 3, lines 14-19 page 5, lines 15-24 page 19, lines 7-13 examples 1, 3; table I	1-14
X	JP S55131351 A (AJINOMOTO KK; NISSHIN FLOUR MILLING CO) 13 October 1980 (1980-10-13) example	1, 2, 4-14

 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 application or patent 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

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

26 August 2020

Date of mailing of the international search report

16 September 2020

Name and mailing address of the ISA/EP

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	US 4060203 A (EDWARDS RONALD ALEXANDER NIXON ET AL) 29 November 1977 (1977-11-29) column 2, line 50 - column 3, line 60	1-14
X	LIU BOHUI ET AL. "Ball-milling changed the physicochemical properties of SPI and its cold-set gels" <i>JOURNAL OF FOOD ENGINEERING, BARKING, ESSEX, GB</i> , Vol. 195, 04 October 2016 (2016-10-04), pages 158-165 DOI: 10.1016/J.JFOODENG.2016.10.006 ISSN: 0260-8774, XP029805485 figures 2C, 4A, 4B page 163, paragraphs 3.9, 3.10 page 164, paragraph 4.	1, 2, 4-14
X	WO 0037485 A1 (UNIV MCGILL [CA]; ALLI INTEAZ [CA]; ABDOLGADER RAMADAN [CA]) 29 June 2000 (2000-06-29) page 1, lines 6-9 page 2, line 15 - page 3, line 8 page 4, lines 18-28 page 7, line 22 - page 8, line 4	1, 2, 4-6, 12-14
Y	ISAO HAYAKAWA ET AL. "Microparticulation by Jet Mill Grinding of Protein Powders and Effects on Hydrophobicity" <i>JOURNAL OF FOOD SCIENCE</i> , US, Vol. 58, No. 5, 01 September 1993 (1993-09-01), pages 1026-1029 DOI: 10.1111/j.1365-2621.1993.tb06104.x ISSN: 0022-1147, XP055678477 Microparticulation; page 1027, left-hand column figure 3c	1-14
Y	SUN CHANCHAN ET AL. "Reduction of particle size based on superfine grinding: Effects on structure, rheological and gelling properties of whey protein concentrate" <i>JOURNAL OF FOOD ENGINEERING</i> , Vol. 186, October 2016 (2016-10), pages 69-76 XP055678355 4. Conclusions; page 74, right-hand column	1-14

**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

**PCT/FR2020/050726**

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