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(71) Applicant (for all designated States except US): OCEAN NUTRITION CANADA, LTD. [CA/CA]; 101 Research Drive, Dartmouth, B2Y 4T6 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): YAN, Cuie [CN/CA]; 11 Emma Court, Dartmouth, Nova Scotia, B2W 6L2 (CA). ZHANG, Wei [CA/CA]; 22 Brigadier Court, Halifax, Nova Scotia, B3M 4Y5 (CA). JIN, Yulai [CA/US]; 119 Pinehurst Lane, Battle Creek, MI 49015 (US). WEBBER, Lesek, Alexa [CA/CA]; 54 Station Road Extension, Apartment 1, Western Shore, Nova Scotia (CA). BARROW, Colin, James [NZ/CA]; 404 Francklyn Street, Halifax, Nova Scotia, B3H 1A8 (CA).

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- (74) Agents: HUIZENGA, David, E. et al; Needle & Rosenberg, RC, Suite 1000, 999 Peachtree Street, Atlanta, GA 30309-3915 (US).
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⁽⁵⁷⁾ Abstract: Disclosed are microcapsules with shells that are not animal by-products and methods for preparing and using such microcapsules.

INTERNATIONAL SEARCH REPORT

International application No PCT/US 08/00301

A CLASSIFICATION OF SUBJECT MATTER IPC(8) - A61 K 9/50; A23L 1/00 (2008.04)					
USPC - 424/490 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(8) A61K 9/50, A23L 1/00 (2008 04) USPC 424/490					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched IPC(8) A61K 9/50, A23L 1/00 (2008 04) USPC 424/490, 424/417, 451, 455, 457, 489, 497, 498, 604, 514/492, 938, 951, 963, 965					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPTO WEST (USPT, PGPUB, EPAB), microcapsule, shell, 'multi-core', 'multi-nucleus', 'chambers', vegetarian, anticaking, 'manne oil', 'nitrogen atmosphere' Google Scholar, Vegetarian microcapsules'					
C DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	ppropriate, of the relevant passages	Relevant to claim No		
X Y	US 2005/0019416 A 1 (YAN) 27 January 2005 (27 0 1 2005), [Abstract], para[0002], [0007]- [0009), [0021], [0022], [0023], [0030], [0037]		1, 2, 56, 57, 61, 62, 66, 132 3, 58, 63, 67, 68, 133, 134		
Y	US 2007/0078071 A 1 (LEE, et al) 05 April 2007 (05 04 2007), para[0018)		3		
Y	Y US 2007/014121 1 A 1 (KOLAR, et al) 21 June 2007 (21 06 2007), para[0026]		58, 63		
Y	US 2007/0027028 A1 (PEARS, et al) 01 February 2007 (01 02 2007), para[0125]		67, 68, 133, 134		
D Further	documents are listed in the continuation of Box C				
 Special catego πes of cued 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 dale "L" document which may throw doubts on priority cla tm(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 pπor to the international filing date but later than 		 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" documenl 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 			
					rity date claimedactual completion of the international search
13 Apnl 2008	3 (13 04 2008)	30 APR 2	2008		
		Authorized officer Lee W Young PCT Helpdesk. 571 272-4300 PCT OSP- 571-272 7774			

Form PCT/ISA/2 IO (second sheet) (Apnl 2007)

INTERNATIONAL SEARCH REPORT

International application No
PCT/US 08/Q0301

Box No. 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			
I [_] Claims Nos because they relate to subject matter not required to be searched by this Authority, namely			
2 D 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 4-55, 59-60, 64-65, 69-131 and 135-201 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6 4(a)			
Box No. 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 II As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims			
2 I_I As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees			
3 II 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 I The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee I The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the tune limit specified in the invitation I I No protest accompanied the payment of additional search fees			

Form PCT/ISA/2 10 (continuation of first sheet (2)) (April 2007)