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A23C 9/152 (2006.01)

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[Continued on next page]

(54) Title: LIQUID FORMULATION CONTAINING PROTEIN AND LAMBDA CARRAGEENAN FROM HALYMENIALES

(57) Abstract: A liquid formulation comprising protein and lambda carrageenan, wherein the lambda carrageenan comprises lambda carrageenan from at least one seaweed of the taxonomic order Halymeniales.

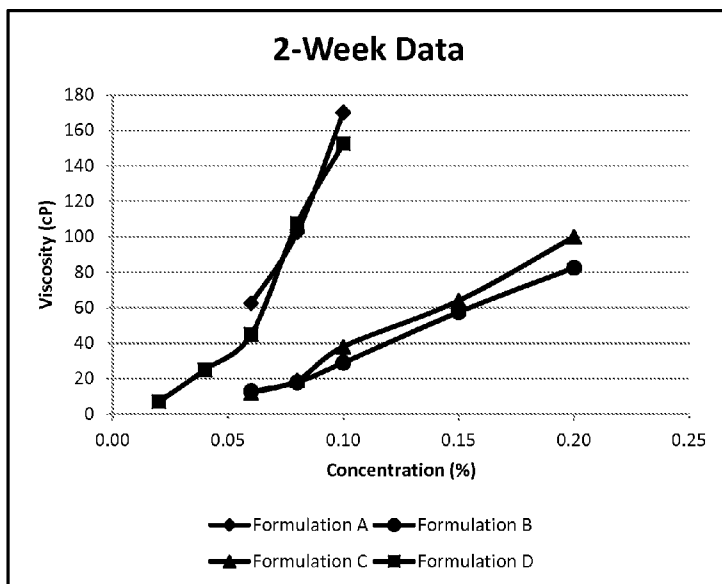


Figure 1





SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the  
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**A. CLASSIFICATION OF SUBJECT MATTER***A23L 2/38(2006.01)i, A23L 2/52(2006.01)i, A23C 9/152(2006.01)i, A23C 9/13(2006.01)i, A23C 11/10(2006.01)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)

A23L 2/38; A23L 3/3472; A23C 9/154

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords: beverage, protein drink, milk, lambda carrageenan, Halymeniales.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| Y         | US 2008-0260908 A1 (WILLIAM MUTILANGI et al.) 23 October 2008<br>See paragraphs 4, 7-10, 15, 23-27, 38 and 49-50 and claims 1-7.   | 1-22                  |
| Y         | ANNABELLE V. BRIONES et al., `USP Grade Lambda-Like Carrageenan From Halymenia Durvillaei Bory De Sainte Vincent (Short Communication)`, Philippine Journal of Science, June 2010, Vol. 129, No. 1, pp. 15-17, ISSN 0031-7683.<br>See pages 15-17.               | 1-22                  |
| A         | T. A. FENORADOSOA et al., `Highly sulphated galactan from Halymenia durvillei (Halymeniales, Rhodophyta), a red seaweed of Madagascar marine coasts`, International Journal of Biological Macromolecules, 2009, Vol. 45, pp. 140-145.<br>See the whole document. | 1-22                  |

 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

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"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

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

Date of the actual completion of the international search

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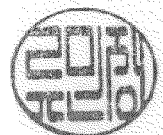
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Information on patent family members

International application No.

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| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---------------------|----------------------------|---------------------|
| US 2008-0260908 A1                        | 23.10.2008          | CA 2685007 A1              | 30.10.2008          |
|   |                     | CN 101677623 A             | 24.03.2010          |
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