Paper No. 22

# UNITED STATES PATENT AND TRADEMARK OFFICE

### **BEFORE THE PATENT TRIAL AND APPEAL BOARD**

RIMFROST AS

Petitioner

v.

AKER BIOMARINE ANTARCTIC AS

Patent Owner

Case: IPR2020-01534

U.S. Patent No. 10,010,567 B2

## **PETITIONER'S SECOND UPDATED**

EXHIBIT LIST

DOCKET

# PETITIONER'S FIRST UPDATED EXHIBIT LIST

<u>EXHIBIT NO.</u>	EXHIBIT DESCRIPTION
1001	U.S. Patent No. 10,010,567.
1002	U.S. Provisional Patent Application No. 61/024,072, filed January 28, 2008 ('072 Provisional).
1003	U.S. Provisional Patent Application No. 60/983,446, filed October 29, 2007 ('446 Provisional).
1004	U.S. Provisional Patent Application No. 60/975,058, filed September 25, 2007 ('058 Provisional).
1005	U.S. Provisional Patent Application No. 60/920,483, filed March 28, 2007 ('483 Provisional).
1006	Declaration of Dr. Stephen Tallon IPR2020-01534.
1007	Bottino, N.R., "The Fatty Acids of Antarctic Phytoplankton and Euphausiids. Fatty Acid Exchange among Trophic Levels of the Ross Sea," 1974, Marine Biology, 27, 197-204 (Bottino I).
1008	Budziński, E., P. Bykowski and D. Dutkiewicz, 1985, Possibilities of processing and marketing of products made from Antarctic krill. FAO Fish.Tech. Pap., (268):46, (Budzinski).
1009	Catchpole and Tallon, WO 2007/123424, published November 1, 2007, "Process for Separating Lipid Materials," (Catchpole).

1010	Fricke et al., "Lipid, Sterol and Fatty Acid Composition of Antarctic Krill ( <i>Euphausia superba</i> Dana)," LIPIDS 19(11):821-827 (1984) (Fricke I).
1011	Randolph, et al., U.S. Patent Application Publication No. US/2005/0058728 A1, " <i>Cytokine Modulators and Related Method of Use</i> " (Randolph).
1012	Sampalis [I] et al., "Evaluation of the Effects of Neptune Krill Oil <sup>TM</sup> on the Management of Premenstrual Syndrome and Dysmenorrhea" Altern. Med. Rev. 8(2):171-179 (2003) (Sampalis I).
1013	Sampalis [II] et al., WO 2003/011873, published February 13, 2003, "Natural Marine Source Phospholipids Comprising Flavonoids, Polyunsaturated Fatty Acids and Their Applications" (Sampalis II).
1014	Reserved.
1015	Tanaka et al., "Extraction of Phospholipids from Salmon Roe with Supercritical Carbon Dioxide and an Entrainer", Journal of Oleo Science Vol. 53 (2004) No. 9, p. 17-424 (Tanaka 2004).
1016	Reserved.
1017	Folch et al., "A simple method for the isolation and purification of total lipides from animal tissues", J. Biol. Chem. (1957) 226: 497-509 (Folch).
1018	Kochian et al., "Agricultural Approaches to Improving Phytonutrient Content in Plants: An Overview", Vol. 57, No. 9, September 1999: S13-S18.
1019	Reserved.
1020	Bunea, et al., "Evaluation Of The Effects Of Neptune Krill Oil On The Clinical Course Of Hyperlipidemia", Altern Med Rev. 2004; 9:420–428 (Bunea).

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1021-1022	Reserved.
1023	Federal Register Notice of Institution of Investigation 337-TA- 1019 on September 16, 2016 by the ITC (81 Fed. Reg. pages 63805-63806)
1024	File History to U.S. Patent No. 9,034,388 B2, Serial No, 12/057,775 (*388 File History) 1024 Part 1 - Pages 1-450 1024 Part 2 - Pages 451-900 1024 Part 3 - Pages 901-1350 1024 Part 4 - Pages 1351-1800 1024 Part 5A - Pages 1801-2025 1024 Part 5B - Pages 2026-2250 1024 Part 5B - Pages 2026-2250 1024 Part 6 - Pages 2251-2700 1024 Part 7 - Pages 2701-3083 1024 Part 8 - Pages 3084-3223.
1025-1029	Reserved.
1030	Tehoharides, U.S. Patent Application Publication No. US/2006/0013905 A1, "Anti-Inflammatory Compositions For Treating Multiple Sclerosis" (Tehoharides).
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1032	Grantham, G.J., "The Utilization Of Krill", UNDP/FAO Southern Ocean Fisheries Survey Programme (1977) (Grantham).
1033	Yoshitomi, U.S. Patent Application Publication No. US/2003/0113432 A1, "Process For Making Dried Powdery and Granular Krill" (Yoshitomi).
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1036	Breivik, U.S. Provisional Patent Application No. 60/859,289, "Processes for production of omega-3 rich marine phospholipids from krill", filed November 16, 2006 (Breivik '289 Provisional, Breivik III).
1037	Breivik, WO 2008/060163 A1, "Process for Production of Omega-3 Rich Marine Phospholipids from Krill," International filing date November 15, 2007 (Breivik II).
1038	Bottino, N.R., "Lipid Composition of Two Species of Antarctic Krill: <i>Euphausia Superba</i> and <i>E. Crystallorophias</i> ", Comp. Biochem. Physiol., 1975, Vol. 50B, pp. 479 to 484 (Bottino II).
1039	Grynbaum, M., <i>et al.</i> "Unambiguous detection of astaxanthin and astaxanthin fatty acid esters in krill ( <i>Euphausia superba Dana</i> )", J. Sep. Sci., 28, 1685–1693 (2005).
1040-1042	Reserved.
1043	Bruheim, U.S. Patent Application Publication No. US2008/0274203 A1, published November 6, 2008 (this is the publication of patent application serial no. 12/057,775 which issued as U.S. Patent No. of 9,034,388).
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	1055 Part 1 - Pages 1-400 1055 Part 2 - Pages 401-800 1055 Part 3 - Pages 801-1109

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