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BEFORE THE PATENT TRIAL AND APPEAL BOARD

RIMFROST AS

Petitioner

v.

AKER BIOMARINE ANTARCTIC AS

Patent Owner

Case: IPR2020-01533

U.S. Patent No. 9,816,046 B2

PETITIONER'S FIRST UPDATED

EXHIBIT LIST

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<u>EXHIBIT NO.</u>	<u>EXHIBIT DESCRIPTION</u>
1001	U.S. Patent No. 9,816,046, issued November 14, 2017.
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 Stephen Tallon.
1007	Bottino, N.R., " <i>The Fatty Acids of Antarctic Phytoplankton and Euphausiids. Fatty Acid Exchange among Trophic Levels of the Ross Sea,</i> " 1974, <i>Marine Biology</i> , 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. <i>FAO Fish.Tech. Pap.</i> , (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 (*Euphausia superba* Dana),” LIPIDS 19(11):821-827 (1984) (Fricke I).
- 1011 Randolph, et al., U.S. Patent Application Publication No. US/2005/0058728 A1, “*Cytokine Modulators and Related Method of Use*” (Randolph).
- 1012 Sampalis [I] et al., “*Evaluation of the Effects of Neptune Krill Oil™ 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).
- 1018-1019 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).
- 1021-1023 Reserved.
- 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 6 - Pages 2251-2700
1024 Part 7 - Pages 2701-3083
1024 Part 8 - Pages 3084-3223.
- 1025-1026 Reserved.
- 1027 Saether et al., “Lipolysis post mortem in North Atlantic krill”. *Comp. Biochem. Physiol.* Vol. 83B, No. 1, pp. 51-55, 1986 (Saether).
- 1028 Hawley’s Condensed Chemical Dictionary, p. 893, 13th ed.,1997 (Hawley’s)
- 1029 Reserved.
- 1030 Tehoharides, U.S. Patent Application Publication No. US/2006/0013905 A1, “Anti-Inflammatory Compositions For Treating Multiple Sclerosis” (Tehoharides).
- 1031 Reserved.
- 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).
- 1034 Reserved.
- 1035 Breivik, U.S. Patent Application Publication No. US 2010/0143571 A1, “Process for Production of Omega-3 Rich Marine Phospholipids from Krill” (Breivik I).
- 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: *Euphausia Superba* and *E. Crystallorophias*”, Comp. Biochem. Physiol., 1975, Vol. 50B, pp. 479 to 484 (Bottino II).
- 1039 Grynbaum, M., *et al.* “Unambiguous detection of astaxanthin and astaxanthin fatty acid esters in krill (*Euphausia superba Dana*)”, J. Sep. Sci., 28, 1685–1693 (2005).
- 1040-1042 Reserved.

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