

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

RIMFROST AS

Petitioner

v.

AKER BIOMARINE ANTARCTIC AS

Patent Owner

Case Nos.

IPR2018-01178

IPR2018-01179

U.S. Patent No. 9,375,453 B1

DECLARATION OF DR STEPHEN J. TALLON

TABLE OF CONTENTS

DECLARATION OF DR STEPHEN J. TALLON	1
TABLE OF CONTENTS.....	2
AGREEMENT TO PROVIDE EXPERT TESTIMONY	9
BASES FOR OPINIONS GIVEN	12
NO FINANCIAL INTEREST IN PROCEEDING.....	19
QUALIFICATIONS AND RELEVANT EXPERIENCE.....	19
RELEVANT CONSIDERATIONS.....	25
LEVEL OF ORDINARY SKILL IN THE ART & THE POSITA	30
THE ‘453 PATENT (EXHIBIT 1001)	31
Priority Claims	31
‘453 Family Chart	32
‘453 Disclosure	32
‘453 Patent issued over prior art based on not relevant claim by Patent Owner of PAF-like activity of ether phospholipids relying on Marathe (Exhibit 1094) and Tanaka I (Exhibit 1014).....	36

PAF would not have been a concern to a POSITA extracting PL from krill.39

THE ‘453 PATENT IS ENTITLED TO A PRIORITY48

DATE NO EARLIER THAN JANUARY 28, 200848

THE ‘453 PATENT IS ENTITLED TO A PRIORITY49

DATE NO EARLIER THAN SEPTEMBER 6, 2013.....49

MOTIVATION TO COMBINE - OVERVIEW63

SEVERAL KRILL COMPONENTS KNOWN TO A POSITA.....73

COMPARED WITH ‘453 PATENT EXAMPLE 773

CLAIM TERMS79

ITC Claim Construction.....79

“krill oil” means “lipids extracted from krill”83

“polar krill oil” means “krill oil containing polar lipids”89

“astaxanthin” means “the astaxanthin molecule having the structure shown below
and includes both cis- and trans forms of the molecule:93

“astaxanthin esters” means “astaxanthin molecules in which one or both of the
hydroxyl groups are replaced by a fatty acid tail connected to the astaxanthin
molecule through an ester bond.”98

“about” means “approximately” and, at a minimum extends the number it modifies to include the range provided by rounding, means “a range about the number it modifies which when rounded provides the number it modifies”99

“plant phytonutrient” means “plant-derived compound that has a positive impact on human health or nutrition”102

“polar solvent” means “solvent or mixtures of solvents capable of extracting polar lipids comprising phospholipids”104

“to denature lipases and phospholipases” means “to alter the conformational structure of lipases and phospholipases to reduce lipid and phospholipid decomposition”107

PRIOR ART113

Bottino I (Exhibit 1007)113

Bottino II (Exhibit 1038).....116

Breivik II (Exhibit 1037), Breivik I (Exhibit 1035) and Breivik III (Exhibit 1036)119

Catchpole (Exhibit 1009)134

Enzymotec (Exhibit 1048, GRAS Notice No. GRN 000226)141

Fricke (Exhibit 1010)	152
Fricke 1984 analysis of omega-3 fatty acids.....	161
Randolph (Exhibit 1011).....	166
Sampalis I (Exhibit 1012)	170
Sampalis II (Exhibit 1013).....	174
Tanaka I (Exhibit 1014)	184
Tanaka II (Exhibit 1015).....	187
Budziński (Exhibit 1008)	191
Bunea (Exhibit 1020)	197
Grantham (Exhibit 1032)	201
Grynbaum (Exhibit 1039)	208
Yoshitomi (Exhibit 1033)	217
Mayzaud (Exhibit 1084)	224
Neptune Krill Oil (NKO) and Krill Bill NKO (Exhibit 1070, et. al).....	226
Britton (Exhibit 1097) – <i>trans</i> (<i>all-E</i>) form of astaxanthin predominates in nature	231
Yuan (Exhibit 1098).....	234

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