

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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CYANOTECH CORPORATION

Petitioner

v.

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

Patent Owner

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Case IPR2013-00401<sup>[1]</sup>

Patent 5,527,533

Before SCOTT E. KAMHOLZ, SHERIDAN K. SNEDDEN, and  
GEORGIANNA W. BRADEN, *Administrative Patent Judges*.

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**PETITIONER'S UPDATED EXHIBIT LIST**

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Submitted: July 23, 2014

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<sup>[1]</sup> Consolidated with Case IPR2013-00404

**PETITIONER'S EXHIBIT LIST**

“CYAN” = CYANOTECH

- CYAN EXHIBIT 1001                    U.S. Pat. 5,527,533 (the “533 patent”)
- CYAN EXHIBIT 1002                    Grangaud, René, “Astaxanthin Research, New Vitamin A Factor”, 69 pp. (Éditions Desoer, Liège, 1951), English translation, with Translator's Certificate.
- CYAN EXHIBIT 1003                    Grangaud, René, “Recherches sur l'Astaxanthine, Nouveau Facteur, Vitaminique A”, 69 pp. (Éditions Desoer, Liège, 1951), in French.
- CYAN EXHIBIT 1004                    Massonet, Reneé, “Research into the Biochemistry of Astaxanthin”, 146 pp. (F.Fontana, Algiers, 1960), English translation, with Translator's Certificate.
- CYAN EXHIBIT 1005                    Massonet, Reneé, “Recherches sur la Biochemie de l'Astaxanthine,”, 146 pp. (F.Fontana, Algiers, 1960, in French.
- CYAN EXHIBIT 1006                    Office Actions and Responses (including Declarations) in App. No. 08/330,194

CYAN EXHIBIT 1007

Bibliographic citations and abstracts of the Grangaud and Massonet References, including exemplary searches in Chemical Abstracts print media (1947 to 1965) and online databases (available pre-Critical Date)

CYAN EXHIBIT 1008

Massonet, R., Conquy, T., and Grangaud, R.R. "The Study of Astaxanthin Transformation into Vitamin A in the Albino Rat: in vitro Experiments", *Ann. Nutrit. Alimentation*, Vol. 19 pp. pages C655-C658 (1965)), English translation, with Translator's Certificate for Exs. 1008, 1010, 1012, 1014, 1016, and 1018.

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Massonet, R., Conquy, T., and Grangaud, R.R. "Étude de la transformation de l'astaxanthine en vitamine A chez le Rat albinos: Expériences 'in vitro'", *Ann. Nutrit. Alimentation*, Vol. 19 pp. pages C655-C658 (1965)), in French.

CYAN EXHIBIT 1010

Grangaud, René; Massonet, Renée; Conquy Thérèse; and Ridolfo, Jacqueline, "Transformation of Astaxanthin to Vitamin A in the Albino Rat: Neoformation in vivo and

in vitro”, Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Vol. 252, pp. 1854-1856 (1961b), English translation.

CYAN EXHIBIT 1011

Grangaud, René; Massonet, Renée; Conquy Thérèse; and Ridolfo, Jacqueline,  
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Massonet, R., Conquy, T., and Grangaud, R.,  
“Transformation of astaxanthin to vitamin A by ocular tissue of the rat in vitro”, Comptes Rendus Hebdomadaires des seances de la Societe de biologie et de ses filiales, Vol. 155, pp. 747-750 (1961a), English translation.

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Massonet, R., Conquy, T., and Grangaud, R.,  
“Transformation in vitro de l'astaxanthine en vitamine A par le tissu oculaire du Rat”, Comptes Rendus Hebdomadaires des seances de la Societe de biologie et de ses filiales, Vol. 155, pp. 747-750 (1961a) , in French.

CYAN EXHIBIT 1014

Grangaud, R., and Massonet, R.,  
“Antixerophthalmic effect of the esters of  
astaxanthin”, *Comptes Rendus Hebdomadaires  
des seances de la Societe de biologie et de ses  
filiales*, Vol. 148, pp. 1392-1394 (1954),  
English translation.

CYAN EXHIBIT 1015

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148, pp. 1392-1394 (1954), in French.

CYAN EXHIBIT 1016

Grangaud, René, and Massonet, Renée,  
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230, pp. 1319-1321 (March 27, 1950), English  
translation.

CYAN EXHIBIT 1017

Grangaud, René, and Massonet, Renée,  
“Activité antixérophtalmique du pigment  
caroténoïde d'*Aristeomorpha foliacea*  
(*Penæidæ*)”, *Comptes Rendus Hebdomadaires  
des Seances de l'Academie des Sciences*, Vol.

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