

08-21-2001

HEET

To the Honorable Commissioner for Pat



ument(s) or copy(ies) thereof.

1. Name of Conveying Party(ies):

Kirk Emil APT

F.C. Thomas ALLNUTT

David J. KYLE

101818093

James Casey LIPPMEIER

Additional name(s) of conveying party(ies) attached?

☐ Yes☒ No

2. Name and Address of Party(ies) receiving an interest (assignee(s)):

Name: Martek Biosciences Corporation

Name:

Address: 6480 Dobbin Road

Address:

Columbia, Maryland 21045

Country: U.S.A.

Country:

Additional name(s) and address(es) attached?

☐ Yes☒ No

3. Nature of Conveyance:



Assignment



Merger



Change of Name



Verified Translation



Security Agreement



Other: _____

Execution Date: **July 2, 2001 and August 2, 2001**

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the application is: _____

A. Patent Application No(s):B. Patent No(s):

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Others on additional sheet(s) attached?

☐ Yes☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Laurence H. Posorske

Intellectual Property Department

Brobeck, Phleger & Harrison LLP

1333 H Street, N.W.

Suite 800

Washington, DC 20005

(202) 220-6000 (telephone)

(202) 220-5200 (facsimile)

6. Total number of applications and patents involved:

Application(s): 1

+ Patent(s): _____

= Total: 17. Total Fee (37 C.F.R. § 3.41) \$ **40.00**☒ Enclosed☐ Authorized to be charged to Deposit Account8. Deposit Account No.: **50-1640**

(Duplicate copy of this sheet attached)



Charge any underpayment or credit any overpayment to above Deposit Account

DO NOT USE THIS SPACE

9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Laurence H. Posorske

Name of Person Signing

Signature

August 15, 2001

Date

Total number of pages including cover sheet, attachments, and document:

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ASSIGNMENT

WHEREAS, WE, Kirk Emil APT, residing at 6312 Early Glow Court, Columbia, Maryland 21797; F.C. Thomas ALLNUTT, residing at 95 Bentley Lane, Port Deposit, Maryland 21904; David J. KYLE, residing at 1801 Narbeth Road, Catonsville, Maryland 21228; and James Casey LIPPMEIER, residing at 311 A Street, N.E., Apt. 3, Washington, DC 20002, have invented certain new and useful improvements in and to the subject matter of:

TROPHIC CONVERSION OF OBLIGATE PHOTOTROPHIC ALGAE THROUGH METABOLIC ENGINEERING

described in an application for United States Letters Patent filed on April 23, 2001, and accorded Application No. 09/839,536;

AND, WHEREAS, MARTEK BIOSCIENCES CORPORATION, a corporation organized under the laws of the State of Maryland, having a place of business located at 6480 Dobbin Road, Columbia, Maryland 21045 (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to the improvements and under the application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said improvements, said United States application, any other United States applications, including provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on said United States application or in whole or in part on said improvements, any foreign applications, including international and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said improvements, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said improvements or any parts thereof;

AND WE hereby authorize and request our agents, Brobeck, Phleger & Harrison LLP, whose address is 1333 H Street, N.W., Suite 800, Washington, DC 20005, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

AND WE hereby agree for ourselves and our heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to said improvements or any parts thereof, and in and to said several patents or any of them;

7 Aug 2001
Date

F.C. Thomas ALLNUTT
F.C. Thomas ALLNUTT

County of)
) ss:
State of)

On this _____ day of _____, 2001, before me a Notary Public in and for the County and State aforesaid, personally appeared _____, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

Notary Public

(SEAL)

My Commission Expires _____

Aug 2 2001
Date

David J. KYLE
David J. KYLE

County of)
) ss:
State of)

On this _____ day of _____, 2001, before me a Notary Public in and for the County and State aforesaid, personally appeared _____, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

Notary Public

(SEAL)

My Commission Expires _____

BROBECK, PHLEGER & HARRISON LLP
INTELLECTUAL PROPERTY DEPARTMENT
1333 H STREET, N.W.
SUITE 800
WASHINGTON, D.C. 20005
(202) 220-6000 (TELEPHONE)
(202) 220-5200 (FACSIMILE)

7/2/01

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State of

Public in and for the County and State aforesaid, personally appeared _____, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

My Commission Expires _____

(SEAL)

BROBECK, PHILEGER & HARRISON LLP
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