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RECORD



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No. 0651-0027 (exp. 6/30/2005)

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Alberta Research Council Inc
250 Karl Clark Road
Edmonton, Alberta, Canada
T6N 6K2Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Andrew J. Malcolm

Internal Address: _____

Street Address: 1825 Millwoods Road EastCity: Edmonton State: Alberta Zip: T6L 6K2Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other _____

Execution Date: _____

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

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

A. Patent Application No.(s)

B. Patent No.(s)

5,807,553

6,132,723

5,866,132

5,695,768

5,855,901

5,916,571

Additional numbers attached? ☐ Yes ☒ No

6,168,796

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

Name: Andrew J. Malcolm

Internal Address: _____

Street Address: 1825 Millwoods Road EastCity: Edmonton State: Alberta Zip: T6L 6K26. Total number of applications and patents involved: 77. Total fee (37 CFR 3.41).....\$ 280.00

Enclosed



Authorized to be charged to deposit account

8. Deposit account number: _____

(Attach duplicate copy of this page if paying by 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.

Andrew Malcolm

Name of Person Signing

A.J. Malcolm

Signature

May 14, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 7

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

05-21-2003 00000001 5407503

05-21-2003

000.00 00

PATENT
REEL: 014074 FRAME: 0741

ASSIGNMENT

WHEREAS, Alberta Research Council Inc. having a principal office or place of business at 250 Karl Clark Road, Edmonton, Alberta, Canada, T6N 1E4 (hereinafter referred to as the "ASSIGNOR") is the owner of the entire right, title and interest in the patents and patent applications listed in Schedule "A", attached hereto; and

WHEREAS, Andrew J. Malcolm, whose full post office address is 1825 Millwoods Road East, Edmonton, Alberta, Canada, T6L 6K2 (hereinafter referred to as the "ASSIGNEE") is desirous of securing the entire right, title, and interest in and to said patents, patent applications, the patents to be issued upon said applications and the inventions and discoveries disclosed and claimed therein;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR has assigned and conveyed and hereby assigns and conveys to the ASSIGNEE, it's successors and assigns, it's entire right, title and interest in and to the inventions and discoveries disclosed in the patents and patent applications listed in Schedule "A", including all other patent applications and any corresponding patent rights in any and all foreign countries which have been or shall be filed on any of the inventions and discoveries, reissues, continuations, renewals and prolongations thereof, and further including all rights of priority under the International Convention in foreign countries and the right to file and prosecute such applications, and in and to any and all patents which have been or may be granted by any country based either in whole or in part upon any or all of said inventions and discoveries of the said patents and patent applications;

ASSIGNOR has assigned and conveyed and further assigns and conveys to ASSIGNEE all claims by reason of past infringement of the said patents and patent applications, including the right to sue for and collect for said past infringements;

ASSIGNOR has authorized and requested, and hereby authorizes and requests the Commissioner of Patents in Canada and any official of any foreign country whose duty it is to issue patents on said applications, to issue all patents for said inventions to the ASSIGNEE, his successors and assigns, in accordance with the terms of this Assignment;

ASSIGNOR has covenanted, and hereby covenants that it has the right to convey the entire right, title and interest to ASSIGNEE, herein assigned, and that it has not executed, and will not execute, any agreement in conflict therewith;

ASSIGNOR has agreed, and hereby agrees that it will, at the cost and expense of the assignee, communicate with and provide the ASSIGNEE, his successors and assigns, all facts known and documents available to ASSIGNOR relating to said inventions, discoveries, patents and patent applications, including the histories thereof; testify in any legal proceedings; execute and secure all papers that may be necessary to file, prosecute and maintain said patents and patent applications in any country and to assign the same;

make all rightful oaths; and generally do everything possible to aid ASSIGNEE, his successors, assigns and nominees, to obtain, uphold and enforce proper patent protection for said inventions and discoveries in all countries.

EXECUTED at Edmonton, Alberta, Canada, this 8th day of
January, 2003.

Valerie Parkes
Witness

Assignor Name: Alberta Research Council Inc.

By: Keith Salmon

Print Name: Keith Salmon

Title: Chief Financial Officer

Certificate of Witness

I acknowledge that I was personally present and did see Keith Salmon of
Alberta Research Council Inc. (name of Assignor), who is personally
known to me, duly execute the above assignment therein set forth.

Signature of Witness: Valerie Parkes

Name of Witness: VALERIE PARKES

Address of Witness: 250 KARL CLARK ROAD
EDMONTON, AB. T6N 1E4

SCHEDULE "A"

Title: Immunogenic Oligosaccharide Compositions

Country	Patent/Appln No:	Patent/Appln. Date	Status
Canada	2,153,733	07/12/1995	Application
United States	5,807,553	09/15/1998	Issued
United States	6,132,723	10/17/2000	Issued
United States	5,866,132	02/02/1999	Issued

Title: Immuogenic and Immunostimulatory Oligosaccharide Compositions and Methods of Making and Using Them

Country	Patent/Appln No:	Patent/Appln. Date	Status
European	96917311.1	06/06/1996	PCT Application

Title: Immunostimulating Activity of *Streptococcus Pneumoniae* Serotype 8 Oligosaccharides

Country	Patent/Appln No:	Patent/Appln. Date	Status
Japan	9-500049	10/03/1997	Nationalized PCT Application
Canada	2,153,730	07/12/1995	Application
Norway	1997.4727	06/06/1996	Nationalized PCT Application
United States	5,695,768	12/09/1997	Issued
United States	5,855,901	01/05/1999	Issued
United States	5,916,571	06/29/1999	Issued
United States	6,168,796	01/02/2001	Issued

New Zealand	309713	03/09/2000	Issued
Australia	725279	10/12/2000	Issued
Mexico	202022	05/24/2001	Issued

Title: Immunogenic and Immunostimulatory Oligosaccharide Compositions and Methods of Making and Using Them

<u>Country</u>	<u>Patent/Appln No:</u>	<u>Patent/Appln. Date</u>	<u>Status</u>
World	WO 96/40225	06/06/1996	Published PCT

Title: Methods of Treatment Using Immunogenic and Immunostimulatory Oligosaccharide Compositions

<u>Country</u>	<u>Patent/Appln No:</u>	<u>Patent/Appln. Date</u>	<u>Status</u>
New Zealand	337730	06/06/1996	Issued