

04-26-2002



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U.S. DEPARTMENT OF COMMERCE

SHEET

Patent and Trademark Office
Docket No.293112000621

4/8/02

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

1. Name of conveying party(ies):
Biostar Inc.

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State
- Other

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):

Name: Novartis Animal Health Canada, Inc.
Internal Address:
Street Address: 2233 Argentia Road, East Tower, Suite 200
City: Mississauga State: Ontario ZIP: L5N 2X7

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other:
- Merger
- Change of Name

Execution Date: February 29, 2000

4. Application number(s) or patent number(s): 08/732,612

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

- A. Patent Application No.(s)
08/564,973; 08/548,059
 - B. Patent No.(s)
- Additional numbers attached? Yes No

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

Kate H. Murashige
Morrison & Foerster LLP
3811 Valley Centre Drive
Suite 500
San Diego, California 92130-2332

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account, referencing Attorney Docket 293112000621

8. Deposit account number: 03-1952

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.

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.

Name: Kate H. Murashige
Registration No: (29,959)

Kate H. Murashige
Signature

3/28/02
Date

Total number of pages comprising cover sheet, attachments and document: 6

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

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sd-85137

PATENT
REEL: 012818 FRAME: 0401

PATENT ASSIGNMENT

FOR VALUE RECEIVED:

1. **Biostar Inc.** (the "Assignor"), the owner of the patents identified in the attached Schedule "A" (the "Patents"), hereby unconditionally assigns, transfers and sets over to and unto **Novartis Animal Health Canada Inc.** (the "Assignee"), having its principal office or place of business at Suite 200, East Tower, 2233 Argentia Road, Mississauga, Ontario, L5N 2X7, its entire right, title and interest in and to the Patents described in the attached Schedule "A", wherever registered, together with the entire goodwill attached to the Patents, the same to be held and enjoyed by the Assignee, its successors and assigns, as fully and completely as by the Assignor had this assignment not been made.
2. The Assignor undertakes and agrees to execute, at the expense of the Assignee, such further assurances as may reasonably be required in order to permit the Assignee to hold and enjoy the Patents assigned hereunder and to obtain the recording of this Assignment.
3. The Assignee hereby appoints **McMillan Binch**, P.O. Box 38, South Tower, Royal Bank Plaza, Suite 3800, Toronto, Ontario M5J 2J7 as its agent to transact all business in the Patents Office in connection with the Patents in Canada.

DATED February 29, 2000.

NOVARTIS ANIMAL HEALTH CANADA INC.

By: *B. I. Beeler*
Byron Beeler
PresidentBy: *Paul Leger*
Paul Leger
Secretary

BIOSTAR INC.

By: *Stephen A. Acres*
Stephen Acres
President and Chief Executive OfficerBy: *Todd Lahti*
Todd Lahti
Chief Financial Officer

SCHEDULE "A"**PATENTS****1. Patents in the name of Biostar Inc. in Canada****(a) Issued Patents**

Nil

(b) Patent Applications

Title of Invention	Patent No.	Filing Date
Methods for production of recombinant plasmids	2,232,234	October 17, 1996
Bovine heat shock promoter and uses thereof	2,148,492	November 3, 1993

2. Patents in the name of BioStar Inc. in the United States**(a) Issued Patents**

Title of Invention	Patent No.	Issue Date
Bovine viral diarrhea virus II vaccine and method of immunization	6,015,795	January 18, 2000
Bovine heat shock promoter and uses thereof	5,981,224	November 9, 1999
Methods for production of recombinant plasmids	5,922,583	July 13, 1999
Bovine heat shock promoter and uses thereof	5,733,745	March 31, 1998
Bovine heat shock promoter and uses thereof	5,521,084	May 28, 1996
Immunogenic composition against Bovine Viral Diarrhea Virus II glycoprotein 53 (BVDV-II) gp53	5,709,865	January 20, 1998

(c) Patent Applications

Nil

3. Patents in the name of BioStar Inc. outside Canada and the United States

(a) Issued Patents

Nil

(b) Patent Applications

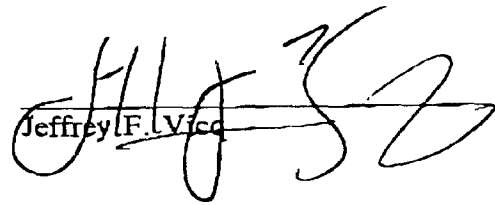
Title	Country	Date Filed	Serial No.	Status
Bovine Heat Shock Promoter and Uses Thereof	European Union	11/03/1993	2148492	Published
Bovine Heat Shock Promoter and Uses Thereof	Japan	11/03/1993	939234290	Pending
Bovine Heat Shock Promoter and Uses Thereof	WIPO	11/03/1992	PCT/CA93/00447	NAT Phase
Methods for production of recombinant plasmids	PCT		PCT/CA96/00693	National Phase
Methods for production of recombinant plasmids	Taiwan		85115998	Pending
Methods for production of recombinant plasmids	EPO		969332949	Pending
Methods for production of recombinant plasmids	Japan		09515377	Pending

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DECLARATION OF WITNESS

I, Jeffrey F. Vicq, whose full post office address is c/o 200 - 374 3rd Avenue South, Saskatoon, Saskatchewan, S7K 1M5 hereby declare that I was personally present and did see Stephen D. Acres and Todd L. Lahti, each of whom is personally known to me to be the person named in the above Patent Assignment, duly sign and execute the same.

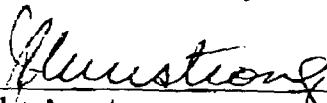
EXECUTED at Saskatoon, Saskatchewan this 29th Day of February, 2000.


Jeffrey F. Vicq

DECLARATION OF WITNESS

I, John Armstrong, whose full post office address is 16 King Georges Road, Toronto, Ontario, Canada, M8X 1K7 hereby declare that I was personally present and did see Paul Leger and Byron Beeler, each of whom is personally known to me to be the person named in the above Patent Assignment, duly sign and execute the same.

EXECUTED at Saskatoon, Saskatchewan this 29th day of February, 2000.



John Armstrong