

08-05-2005

OMB No. 0651-0011 (exp. 4/94)



103056114

To the Honorable Commissioner of Patents

and original documents or copy thereof.

1. Name of conveying party(ies):

- (1) Kelly Knappe
(2) Stephanie Dykstra
(3) Mary Tinant

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: (1) July 17, 2003, (2) July 15, 2002,

(3) July 16, 2003

2. Name and address of receiving party(ies)

Name: Novartis AGStreet Address: Lichtstrasse 35City: Basel State: Switzerland ZIP: 4056Additional name(s) & address(es) attached? ☐ Yes ☒ No

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)

09/776,787

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: NovartisInternal Address: Corporate Intellectual PropertyStreet Address: One Health Plaza, Building 104City: East Hanover State: NJ ZIP: 07936-10806. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40

- ☐ Enclosed
☒ Authorized to be charged to deposit account and any other additional fees required.

8. Deposit account number:

19-0134 (in the name of Novartis)

(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.

David L. MarksName of Person Signing
Reg. No. 37,881

Signature

August 1, 2005

Date

08/04/2005 DBYRNE 00000087 190134 09776787

☒ Certificate of Express Mail belowTotal number of pages including cover sheet, attachments, and document: 3

01 FC:0021

00.00 DA

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

Director of the US Patent and Trademark Office, PO Box 1450
FILING BY EXPRESS MAIL 13-1450

UNDER 37 CFR 1.10

EV 485024054 US

Express Mail Label Number

August 1, 2005

Date of Deposit

PATENT

REEL: 016831 FRAME: 0463

ASSIGNMENT

We,

Kelly Knappe	residing at	4308 East 18th #116 Sioux Falls, South Dakota 57013
Stephanie Dykstra	residing at	Route 1, Box 96 Parker, South Dakota 57053
Mary Tinant	residing at	508 8th Avenue Brandon, South Dakota 57006,

for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to **Novartis AG**, a Swiss corporation, having a place of business at Lichtstrasse 35, 4056 Basel, Switzerland, its successors, assigns and legal representatives, all our right, title and interest, which includes the right to and full benefit of such priorities as may now or hereafter be granted to us by local laws or by treaty, including any international convention for the protection of industrial property, in and for the United States and its territories and possessions in and to the invention entitled:

INACTIVATED BOVINE SCOURS VACCINES, PROCESS AND METHOD OF PREVENTING
BOVINE SCOURS

invented by us and described in the application for United States Letters Patent

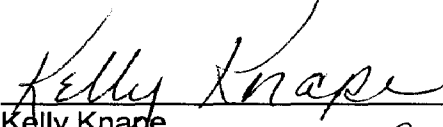
Application No. 09/776,787, filed February 4, 2001,

including (1) said application for United States Letters Patent and all continuations and divisions thereof (including further continuations and divisions such as, but not limited to, continuations of continuations and divisions of continuations), (2) all United States Letters Patent which may be issued and/or granted on all such applications, (3) all applications for reissues and extensions of and reexamination certificates for all such United States Letters Patent and (4) all reissues and extensions and reexamination certificates issued for all such United States Letters Patent, the said interest being the entire ownership of said invention and all of said applications, United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates to be held and enjoyed by the said Novartis AG, and its successors and assigns to the full end of the terms to which said United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates may be granted and/or issued, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made;

And we hereby agree to sign and/or execute any further documents and/or instruments which may be necessary, lawful and proper in and/or for the filing and/or prosecution of said applications for United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates and/or the granting and/or issuance thereof and/or to otherwise secure title to said invention and all of said applications, United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates in said assignee.

Signed this 17th day of July, 2003

by


Kelly Knape

Signed this 15th day of July, 2003

by


Stephanie Dykstra

Signed this 16th day of July, 2003

by


Mary Thant

H:\DATA\Bovine Scours\Assignment2.doc