RECORDA	08-07-2001 <u> </u>
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To the Honorable Commissioner of Patents and Tradema Unless filed with a new application, mail to: BOX ASSIGNMENT, COMMI	101802138 suments or copy thereof. assigner of Patents and Trademarks, Washington, D.C. 20231.
1. Name of conveying party(ies): Bernardus Petrus Hubertus Peeters Olav Sven de Leeuw Arnoud Leonard Josef Gielkens Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No 3. Nature of conveyance: ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name	2. Name and address of receiving party(ies): Name: ID-Lelystad, Instituut voor Dierhouderij en Diergezondheid B.V. Address: Edelhertweg 15 8219 PH Lelystad, The Netherlands Additional name(s) & address(es) attached? ☐ Yes ☒ No CERTIFICATE OF MAILING I hereby certify that this paper or fee along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail (under 37 C.F.R. § 1.8(a)) on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner of Patents, Washington, D.C. July 30, 2001 Date of Deposit Signafore of registered practitioner or other person having
□ License □ Other Execution Date: March 21, 2001; March 22, 2001; March 26, 2001	Signature of registered practitioner or other person having reasonable basis to expect mailing to occur on date of deposit shown pursuant to 37 C.F.R. § 1.8(a)(1)(ii) Lynette Eliason Typed/printed name of person whose signature is contained above
 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the e A. U.S. Patent Application No.(s) 09/741,744 Additional numbers att 	B. U.S. Patent No.(s)
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Allen C. Turner Trask Britt P.O. Box 2550 Salt Lake City, UT 84110-2550	6. Total number of U.S. applications and U.S. patents involved: 7. Total fee (37 C.F.R. § 3.41) \$ 40.00 (\$40.00 times number in box 6) Check no. 16980 is enclosed in this amount.
Attorney Docket No. 4646US	 The Commissioner is hereby authorized to charge any deficiency or credit any overpayment to deposit account number 20-1469.
DO NOT USE THIS SPACE 40.00 OP DO NOT USE THIS SPACE	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct. Allen C. Turner Name of Person Signing Reg. No. 33,041 Total number of pages including cover sheet, attachments and document: 2	

PATENT REEL: 012034 FRAME: 0992

Assignment

In consideration of One Dollar (\$ 1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

Bernardus Petrus Hubertus Peeters - Golfpark 18, 8241 AB LELYSTAD, the Netherlands Olav Sven de Leeuw - Johan Westerveldstraat 4, 1318 CC ALMERE, the Netherlands Arnoud Leonard Josef Gielkens - Boeier 04-76, 8242 CL LELYSTAD, the Netherlands

Hereby sell, assign and transfer to ID-Lelystad, Instituut voor Dierhouderij en Diergezondheid B.V.

a corporation of the Netherlands

having a place of business at Edelhertweg 15, 8219 PH LELYSTAD

its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, for which I filed an application for United States letters Patent on December 19, 2001, which application was accorded application no. 09/741,744 and is entitled "Newcastle Disease Virus Infectious Clones, Vaccines and Diagnostic Assays".

,and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

2 . March 21 2001

Date March 22, 2001

Date March 14, 1901

B.P.H. Peeters

O.S. de Leeuw

A.L.J. Gielkens

PATENT REEL: 012034 FRAME: 0993

RECORDED: 08/02/2001