Form PTO-1595 1-31-92

JAN 2 1 2010

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Our Ref.: GRT-4662-123

103587319

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|--|--|--|--|--|--|
| 1. Name of conveying party(ies): | 2. Name and address of receiving party(ies): | | | | |
| 1 Albertus Alard VAN DIJK 5 | | | | | |
| 2 Petrus Jacobus Theodorus DEKKER 6 | I) Name: DSM IP ASSETS B.V. | | | | |
| 3 Yulia M EFIMOVA 7 | Street Address: Het Overloon 1 | | | | |
| 4 8 | City: Heerlen | | | | |
| 0 | Ct. t./Country The Night of the Call TE | | | | |
| A 44'4' | State/Country: The Netherlands Zip: 6411 TE | | | | |
| Additional name/s of conveying party/ies attached? 3. Nature of conveyance: | O) Nome | | | | |
| Assignment Merger | 2) Name Street Address: | | | | |
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| | Zip. | | | | |
| Execution Date: November 17, 2009; July 28, 2009; and August 5, 2009 | Additional name/s & address/es attached? Yes No | | | | |
| 4. Application number(s) or patent number(s): This | s assignment is being filed together with a new application. | | | | |
| A. Patent Application No(s). | B. Patent No(s). | | | | |
| (1) 12/527,064 | (1) | | | | |
| \(\(\frac{12}{32}\),\(\frac{1}{32}\),\(\frac{1}{32}\) | (2) | | | | |
| (3) | $\begin{pmatrix} (2) \\ (3) \end{pmatrix}$ | | | | |
| Additional numbers att | | | | | |
| 5. Name and address of party to whom correspondence | 6. Total number of applications & patents involved: | | | | |
| concerning document should be mailed: | | | | | |
| , | 7. Total fee (37 CFR 3.41) \$ 40.00 | | | | |
| Name: Gary R. Tanigawa | ⊠ Enclosed | | | | |
| | Authorized to be charged to deposit account #14-1140 | | | | |
| Internal Address: | | | | | |
| | 8. The Commissioner is hereby authorized to charge any | | | | |
| Street Address: Nixon & Vanderhye P.C. | <u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which | | | | |
| 901 North Glebe Road | should have been filed herewith (or with any paper thereafter | | | | |
| 11th Floor | filed in this application by this firm) to our Account No. | | | | |
| City: Arlington State: VA Zip: 22203 | 14-1140. | | | | |
| 22205 - 11 migreti | 17 11 101 | | | | |
| DO NOT USE THIS SPACE | | | | | |
| 9. Statements and signature. | | | | | |
| To the best of my knowledge and belief, the foregoing informat of the original document. | tion is true and correct and any attached copy is a true copy | | | | |
| | <i>t</i> 4 — | | | | |
| Gary R. Tanigawa | January 21, 2010 | | | | |
| Name of Person Signing Sign | nature Date | | | | |
| Reg. No. 43,180 | | | | | |
| Total number of pages including origin | nal cover sheet, attachments, and document: [3] | | | | |
| | | | | | |

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

> 01/22/2010 SMOHAMME 00000053 12527064 01 FC:8021

PATENT REEL: 023845 FRAME: 0198

Case No.: 26026-US-PCT

ASSIGNMENT OF U.S. PATENT APPLICATION

(Inventors)

- 1. VAN DIJK, Albertus Alard
- 2. DEKKER, Petrus Jacobus Theodorus
- 3. EFIMOVA, Yulia M.

Of the foregoing inventors, Albertus Alard van Dijk is deceased but was last citizen and resident as indicated, and the undersigned Natalja Alekseevna Cyplenkova is the Legal Representative of his estate

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignees)

DSM IP Assets B.V. (Address) Het Overloon 1, 6411 TE HEERLEN, The Netherlands

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as

(Title)

NOVEL SIALIDASE

| for which the t | ndersigned has (have) executed on even date herewith an application for patent in the United |
|-----------------|--|
| States of Amer | ica or, if not on even date, then has executed |
| on | or has already filed U.S. appln. Serial No. |

on

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

| Date | 17-11-2009 | Signature of inventor | 1100 |
|------|------------|-----------------------|----------------------------------|
| | | | Natalja Alekseevna CYPLENKOVA |
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PATENT REEL: 023845 FRAME: 0199

Case No.: 26026-US-PCT

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(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as

(Title) **NOVEL SIALIDASE** for which the undersigned has (have) executed on even date herewith an application for patent in the United

States of America or, if not on even date, then has executed or has already filed U.S. appln. Serial No.

on

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the

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| Date | Signature of inventor | | |
|------|-----------------------|--|--|
| | | Natalja Alekseevna CYPLENKOVA For DIJK, VAN Albertus Alard Cederdreef 32 | |

28-07-2009 3137 PB VLAARDINGEN The Netherlands DEKKER, Petrus Jacobus Theodorus Vonkstraat 2 2497 AE DEN HAAG The Netherlands

> EFIMOVA, Yulia M. Jacob Catsstraat 18 2613 HB DELFT The Netherlands

> > **PATENT** REEL: 023845 FRAME: 0200

Case No.: 26026-US-PCT

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| | | • | EFIMOVA, Yulia M. |
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PATENT REEL: 023845 FRAME: 0201

RECORDED: 01/21/2010