PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Daniel RAEDERSTORFF | 07/28/2008 |
| Joseph SCHWAGER | 07/29/2008 |
| Goede SCHUELER | 07/17/2008 |

RECEIVING PARTY DATA

| Name: | DSM IP ASSETS B.V. |
|-----------------|--------------------|
| Street Address: | Het Overloon 1 |
| City: | TE Heerlen |
| State/Country: | NETHERLANDS |
| Postal Code: | 6411 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12279510 |

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: BHD-4662-874

NAME OF SUBMITTER: Bryan H. Davidson

Total Attachments: 3

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PATENT REEL: 021392 FRAME: 0509

Case No.: 25434USWO

ASSIGNMENT OF U.S. PATENT APPLICATION

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| (Inventors) | rs) RAEDERSTORFF, Daniel SCHWAGER, Joseph | | | |
| (inventors) | | | | |
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| • | In conside | ration of the sum of one doll | ar (\$1.00) and other good and valuable | |
| | | | I, the undersigned agree(s) to assign, and | |
| | hereby does assig | n, transfer and set over to | | |
| (Assignee) | | DSM IP AS | | |
| (Address) | | Het Overloon 1, TE 6411 h | | |
| | (hereinafter design | ated as the Assignee) the u | ndersigned's entire right, title and interest for | |
| | | | and possessions in the invention, and all | |
| | applications for pa | tent and any Letters Patent | which may be granted therefore, known as | |
| (Title) | | | CAL COMPOSITIONS AND USE THEREOF FOR VENTION OF INFLAMMATORY DISORDERS | |
| | | | d on even date herewith an application for | |
| | | | t on even date, then has executed | |
| | • | | s already filed U.S. appln. Serial No. | |
| | | C | n | |
| • | The undersigned a | cknowledges an obligation | of assignment of this invention to said | |
| | assignee at the tin | ne the invention was made. | | |
| The (| undersigned agree(s | s) to execute all papers and | documents necessary in connection with the | |
| application or | any interference w | hich may be declared and a | ny continuing or divisional applications | |
| thereof and a | ilso to execute sepa | rate assignments in connect | ion with such applications as the Assignee | |
| may deem ne | ecessary or expedie | nt and further to perform any | act which may be necessary in connection | |
| with claims of | with claims or provisions of the International Convention for Protection of Industrial Property or similar | | | |
| agreements. | | | | |
| The u | undersigned agree(s | s) to perform all affirmative a | cts which may be necessary to obtain a | |
| grant of a val | id United States pat | ent to the Assignee. | | |
| The i | undersianed hereby | authorize(s) and request(s) | the Commissioner of Patents to issue any | |
| | | | application or any division or divisions or | |
| continuing ap | plications thereof to | the said Assignee, as Assig | gnee of the entire interest, and hereby | |
| | | | re interest herein assigned, and that he has | |
| (they have) n | ot executed and wil | l not execute, any agreemer | nt in conflict herewith. | |
| The | undersigned hereby | grant(s) the firm of NIXON | & VANDERHYE P.C. the power to insert on | |
| this assignme | ent any further ident | ification which may be nece | ssary or desirable in order to comply with the | |
| | | | document. It is understood and agreed that | |
| ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to | | | | |
| represent onl | represent only ASSIGNEE with respect to this invention. | | | |
| In wit | tness whereof, exec | uted by the undersigned on | the date(s) opposite the undersigned | |
| signature(s). | | | | |
| - 78 | + 1. a U | | Daniel Raederstork | |
| Date <u>A.O</u> | July 2000 | Signature of inventor | · · · · · · · · · · · · · · · · · · · | |
| | * 0 | | RAEDERSTORFF, Daniel | |
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| Data | | Signature of inventor | | |
| | BELLEUN BERTHAM THE STATE OF TH | orgridear of the oritor | SCHWAGER, Joseph | |
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| Date | | Signature of inventor | | |
| ~~~~ | | | SCHUELER, Goede | |

PATENT REEL: 021392 FRAME: 0510

Case No.: 25434USWO

ASSIGNMENT OF U.S. PATENT APPLICATION

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| (Inventors) | | | | |
| | SCHWAGER, Joseph SCHUELER, Goede | | | |
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| | | | dollar (\$1.00) and other good and valuable | |
| | | | ned, the undersigned agree(s) to assign, and | |
| | hereby does assig | n, transfer and set over to | | |
| (Assignee) | | | ASSETS B.V. | |
| (Address) | | | 1 Heerlen, The Netherlands | |
| | | | e undersigned's entire right, title and interest for | |
| | | | ies and possessions in the invention, and all ant which may be granted therefore, known as | |
| (Title) | applications for pa | HEIR AND DUADMACEL | ITICAL COMPOSITIONS AND USE THEREOF FOR | |
| (inte) | | | REVENTION OF INFLAMMATORY DISORDERS | |
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| | patent in the Unite | ed States of America or, if | not on even date, then has executed | |
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| The | undersigned agree(| s) to execute all papers a | nd documents necessary in connection with the | |
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| agreements. | • | international convention is | 2 1 Totalian of this dath of 1 Topolity of Committee | |
| _ | | c) to perform all affirmative | e acts which may be necessary to obtain a | |
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| | | | aid application or any division or divisions or signee of the entire interest, and hereby | |
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| 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 | | | | |
| | | respect to this invention. | | |
| • | • | · · | on the date(s) opposite the undersigned | |
| signature(s). | | cated by the undersigned | or the date(s) opposite the anderogned | |
| oignataro(o). | | | | |
| Date | | Signature of inventor | | |
| | | - J | RAEDERSTORFF, Daniel | |
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| | 7. 7. Acot | Signature of inventor | SCHWAGER, Joseph | |
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| nate | | Signature of inventor | SCHUELER, Goede | |
| | | | SOUCHELL, GOOGG | |

PATENT REEL: 021392 FRAME: 0511

Case No.: 25434USWO

ASSIGNMENT OF U.S. PATENT APPLICATION

| (Inventors) | RAEDERSTORFF, Daniel | | | |
|---------------|---|--|--|--|
| | SCHWAGER, Joseph SCHUELER, Goede | | | |
| | | SCHUELE | R, Goede | |
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| | | | ed, the undersigned agree(s) to assign, and | |
| | | in, transfer and set over to | a, the arrabicing road agree (e) to accign, and | |
| (Assignee) | , | | SSETS B.V. | |
| (Address) | | | | |
| • | (hereinafter design | | undersigned's entire right, title and interest for | |
| | | | s and possessions in the invention, and all | |
| | applications for pa | itent and any Letters Patent | which may be granted therefore, known as | |
| (Title) | THE TREATME | NT, CO-TREATMENT OR PRE | ICAL COMPOSITIONS AND USE THEREOF FOR EVENTION OF INFLAMMATORY DISORDERS | |
| | | | ed on even date herewith an application for | |
| | patent in the Unite | | ot on even date, then has executed | |
| | on | or ha | as already filed U.S. appln. Serial No. | |
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| | | acknowledges an obligation ne the invention was made. | of assignment of this invention to said | |
| The i | indersigned agree(| s) to execute all papers and | documents necessary in connection with the | |
| | | | any continuing or divisional applications | |
| thereof and a | lso to execute sepa | irate assignments in connec | ction with such applications as the Assignee | |
| may deem ne | ecessary or expedie | nt and further to perform ar | y act which may be necessary in connection | |
| with claims o | r provisions of the I | nternational 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 | |
| | | tent to the Assignee. | • | |
| - The i | indersigned hereby | authorize(s) and request(s |) the Commissioner of Patents to issue any | |
| | | | d application or any division or divisions or | |
| | | | ignee of the entire interest, and hereby | |
| | | | tire interest herein assigned, and that he has | |
| (they have) n | ot executed and will | I not execute, any agreeme | nt in conflict herewith. | |
| The | undersigned hereby | crant(s) the firm of NIXON | & VANDERHYE P.C. the power to insert on | |
| | | | essary 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 on | y ASSIGNEE with r | espect to this invention. | | |
| In wi | lness whereof, exec | cuted by the undersianed or | n the date(s) opposite the undersigned | |
| signature(s). | | , 3 | (/ () | |
| - | | | | |
| Date | | Signature of inventor | | |
| | | | RAEDERSTORFF, Daniel | |
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| Date | | Signature of inventor | - 15 ⁻⁷ -15 4-2 - 15 | |
| | | | SCHWAGER, Joseph | |
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| Date 11 | - r = woon | Signature of inventor | SCHIELER Goede | |

PATENT REEL: 021392 FRAME: 0512

RECORDED: 08/14/2008