

10-15-2001



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

1. Name of conveying party(ies):
- 
- Jan Hendrik HUNIK

☒ 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: DSM N.V.  
 Internal Address: \*  
 Street Address: Het Overloon 1  
 City: Te Heerlen State: THE NETHERLANDS ZIP: 6411

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

3. Nature of conveyance:

☒ Assignment      ☐ Merger  
☐ Security Agreement      ☐ Change of Name  
☐ Other:

Execution Date: 15 June 2001

4. Application number(s) or patent number(s):
- 09/868,607

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

A. Patent Application No.(s)  
\*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 246152015100

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

Signature

September 24, 2001  
 Date

Total number of pages comprising cover sheet, attachments and document: 3

10/02/2001 UEDUVIJE 00000082 031952 09868607  
 01 FC:581 40.00 CH

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

U.S. Patent and Trademark Office  
 Office of Public Records  
 Box Assignments  
 Crystal Gateway 4, Room 335  
 Washington, D.C. 20231

sd-58458

02946US-

**ASSIGNMENT  
JOINT**

THIS ASSIGNMENT, by

HUNIK, Jan, Hendrik,

(hereinafter referred to as the assignors), (respectively) residing at

~~TRESLONGLAAN 27. 2548RS DE V HAAG~~~~Rozenoord 82, 2654 XP RODENRIJS, The Netherlands~~

respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in (FOR), set forth in an application for Letters Patent of the United States, \_\_\_\_\_ [having an oath or declaration executed on even date herewith:] bearing Serial No. application number\* and filed on date\*; and entitled:

**IMPROVED PROCESS FOR THE PRODUCTION OF VITAMIN B12**

WHEREAS, DSM N.V. a corporation duly organized under and pursuant to the laws of The Netherlands and having its principal place of business at Het Overloon 1, 6411 TE HEERLEN, The Netherlands (hereinafter referred to as the assignee\*) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee\*, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee\*, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee\* its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee\*, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee\*, its successors, legal representatives and assigns, but at the cost and expense of said assignee\*, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee\* as the assignee\* of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee\*, its successors, legal representatives and assigns.

15-06-01  
Date

HUNIK, Jan, Hendrik,  
(signer)



\_\_\_\_\_  
Date