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06-27-2003

U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

HDP Docket No. 2600-000004

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To the Honorable Commissioner of Patents

102483871

Original documents or copy thereof.

1. Name of conveying party(ies):

Torbjorn ROGNES

3-27-03

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

3. Nature of conveyance:

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

Execution Date: February 25, 2003

2. Name and address of receiving party(ies)

Name: Erling Christen SEEBERG

Internal Address: _____

Street Address: Borgestadveien 25B

City: Oslo State: Norway Zip: N-0875

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

4. Application number(s) or patent number(s):

101 381683

If this document is being filed together with a new application, the execution date of the application is: February 25, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Robert M. SIMINSKI

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: P.O. Box 828

City: Bloomfield Hills State: MI Zip: 48303

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. The Commissioner is hereby authorized to charge any additional fees that may be required or credit any overpayments to Deposit Account No. 08-0750.

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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.

Robert M. SIMINSKI
 Name of Person Signing

Signature

March 27, 2003
 Date

Total number of pages including cover sheet, attachments, and documents: 4

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

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PCT/PTO

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PATENT
 REEL: 014206 FRAME: 0421

ASSIGNMENT

Atty. Docket No. 2600-000004

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

DETERMINATION OF OPTIMAL LOCAL SEQUENCE ALIGNMENT SIMILARITY SCORE

for which Assignor is about to make or has made United States or International application for patent

- (a) ☐ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) ☐ executed on _____, _____, _____; or
- (c) ☒ filed on 27.09.01, and assigned Serial No. _____ or PCT International Application No. PCT/NO01/00394, and

WHEREAS, SEEBERG, Erling Christen and ROGNES, Torbjørn, hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letter patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

Assignor hereby authorizes and requests my attorney to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

ASSIGNMENT Einar A. Rødland:

TORBJØRN RØGNES

First Inventor *Torbjørn Rognes*

Oslo, 25. FEB. 2003
Dated

Einar A. Rødland

Witness JOSEF THINGNES

[Signature]
Witness

Second Inventor

Witness

Dated

Witness

Third Inventor

Witness

Dated

Witness

Fourth Inventor

Witness

Dated

Witness

Fifth Inventor

Witness

Dated

Witness

Sixth Inventor

Witness

Dated

Witness