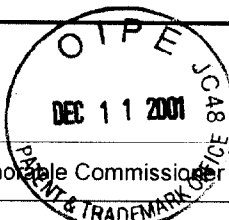


12-14-2001

Attorney Docket No. BP101729

Form PTO-1595



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U.S. Department of Commerce
U.S. Patent and Trademark Office

12-1101

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

1. Name of Conveying Party(ies):

Hannu T.T. TOIVONEN, Paivi ONKAMO, Kari VASKO, Vesa OLLIKAINEN, Petteri SEVON, Heikki MANNILA, and Juha KERE

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: **Licentia Oy**Address: **Erottajankatu 19 B 5****FIN-00130****Helsinki, Finland**

3. Nature of Conveyance:

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

Execution Date: **August 31, 2001, September 3, 2001, September 3, 2001, August 31, 2001, September 3, 2001, September 4, 2001, and September 3, 2001, respectively**

Additional name(s) and address(es) attached?

☐ Yes ☒ No

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

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

A. Patent Application No(s).

09/875,935

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Customer No.: **000466****YOUNG & THOMPSON****Second Floor****745 South 23rd Street****Arlington, VA 22202****Phone: 703-521-2297**6. Total number of applications and patents involved: **1**7. Total fee (37 CFR 3.41)..... **\$40.00**☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit Account No. **25-0120**

(Attach duplicate copy of this page if paying by deposit account)

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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.

Margot Filipowicz

Name of Person Signing

Signature

December 11, 2001

Date

Total number of pages including cover sheet, attachments, and documents: **3**

12/13/2001 TDI/1 00000065 250120 09875935

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PATENT
REEL: 012360 FRAME: 0039

ASSIGNMENT

WHEREAS, we, Hannu T.T. TOIVONEN, Päivi ONKAMO, Kari VASKO, Vesa OLLIKAINEN, Petteri SEVON, Heikki MANNILA, Juha KERE, hereafter referred to as "applicants", have invented certain new and useful improvements in **METHOD FOR GENE MAPPING FROM CHROMOSOME AND PHENOTYPE DATA**, for which an application for a United States patent was filed on June 8, 2001, Application No. 09/875,935, and

WHEREAS, **Licentia Oy**, of Erottajankatu 19 B 5, FIN-00130 Helsinki, Finland, hereinafter referred to as "assignee", is desirous of acquiring the entire right, title and interest in and to the same;

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), the receipt whereof is acknowledged, and other good and valuable consideration, applicants, by these presents, do hereby sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all patents which may be granted therefor in the United States, for its sole use and behoof, and for the use and behoof of its legal representatives, to the full end of the term for which said patents may be granted, as fully and entirely as the same would have been held by applicants had this assignment and sale not been made.

Applicants hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States patents to said assignee.

Date: Aug 31, 2001


Hannu T.T. TOIVONEN

Date: 9/3/01


Päivi ONKAMO

Date: 3/9/2001



Kari VASKO

Date: 3/108/01



Vesa OLLIKAINEN

Date: 3/9/2001



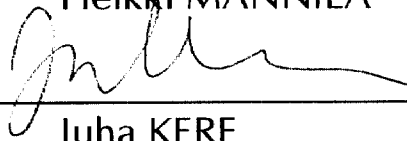
Petteri SEVON

Date: 9/4/2001



Heikki MANNILA

Date: 9/3/01



Juha KERE