PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------------------|----------------|
| Douglas Wiemer | 06/01/2007 |
| Mohammed Riyas Valiyapalathingal | 05/25/2007 |
| Louie Kwan | 05/15/2007 |
| Jennifer Li | 05/30/2007 |
| Stanley TaiHai Chow | 05/15/2007 |

RECEIVING PARTY DATA

| Name: | ALCATEL LUCENT |
|-----------------|------------------|
| Street Address: | 54 RUE LA BOETIE |
| City: | PARIS |
| State/Country: | FRANCE |
| Postal Code: | 75008 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11756970 |

CORRESPONDENCE DATA

Fax Number: (412)566-6099

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 4125666043

Email: ipmail@eckertseamans.com

Correspondent Name: ECKERT SEAMANS CHERIN & MELLOTT, LLC

Address Line 1: 600 GRANT STREET, 44TH FLOOR
Address Line 4: PITTSBURGH, PENNSYLVANIA 15219

| ATTORNEY DOCKET NUMBER: | 195006-01019 |
|-------------------------|--------------|
| | |

NAME OF SUBMITTER: Philip E. Levy

PATENT REEL: 019370 FRAME: 0554

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Total Attachments: 4

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, whose names and full post office addresses are set out below:

Name Address

Douglas Wiemer 10 Kolo Drive

Ashton, Ontario, KOA 1B0

Canada

Mohammed Riyas Valiyapalathingal #605-1244 Donald Street

Ottawa, Ontario, K1J 8V6

Canada

Louie Kwan 52 Mattamy Pl.

Nepean, Ontario, K2G 6K1

Canada

Jennifer Li 22 Harrier Lane

Kanata, Ontario, K2M 2Z3

Canada

Stanley TaiHai Chow 3338 Carling Avenue

Ottawa, Ontario, K2H 5A8

Canada

do hereby sell, assign and transfer to **ALCATEL LUCENT**, hereinafter called the assignee, whose full post office address is 54, rue La Boétie, 75008 Paris, France, and to the assignee's successors, assigns or other legal representatives, our entire right, title, interest, property and benefit for Canada, the United States of America and all other countries, in and to our invention relating to

GRAPH-BASED MODELING APPARATUS AND TECHNIQUES

including subject matter which is fully set forth and described in my application for Letters Patent of the United States of America, for which a declaration has been signed on even date herewith;

together with our entire right, title, interest, property and benefit for Canada, the United States of America and all other countries, in and to the aforementioned applications, and any foreign applications corresponding thereto and any Letters Patent which may issue for the invention from such applications, including all divisions, continuations, continuations—inpart, re-examinations, reissues and extensions, and any rights of priority

resulting from the filing of the above-identified applications under international conventions, treaties or otherwise, the same to be held and enjoyed as fully and exclusively as they would have been by us had this sale, assignment and transfer not been made;

We hereby covenant and agree to do all such things and to execute without further consideration such further assurances, applications and other instruments as may reasonably be required by the assignee to obtain Letters Patent in Canada, the United States of America and all other countries, for the invention, and vest the same in the Assignee;

In witness whereof, we have hereunto signed my name on the day and year set forth below.

Signature and Statement of Witness for Douglas Wiemer:

Signature of Douglas Wiemer

| Statement of Witness I, Hayley Brown | , whose full post offic |
|---|--|
| (Name of Witness) | rnprior, Ontario, K7S 1Z1, Canada |
| (Address of | |
| • | sent and did see Douglas Wiemer w |
| | e person named in the above assign |
| | [Signature of Witness] |
| | |
| | |
| ture and Statement of Witness for | r Mohammed Riyas Valiyapalathingal |
| Ciamatura of Mahamad Diseas Valiance | 1-+1 |
| | apalatningal thi |
| Signature of Mohammed Riyas Valiya Signed atONAWA | _ |

| | of Witness | | |
|-------------|--------------------|---------------------|-----------------------------------|
| I, <u>H</u> | ayley Brown | Witness) | , whose full post office |
| address i | | | c, Ontario, K7S 1Z1, Canada |
| address 1 | | ddress of Witness) | |
| state th | | | and did see Mohammed F |
| | | | n to me to be the person name |
| | | | ame on the date set forth above |
| | | γ | Au A |
| | | \mathcal{N} | |
| | | (Signa | print of Witness) |
| | | (| |
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| ture and | Statement of Wi | tness for Louie | Kwan: |
| | | | |
| _ | of Louie Kwan | 144 | |
| Signed at | | OKKawa | , this |
| 人 | day of | May | , 2007. |
| | | <u> </u> | : |
| | | | V |
| | | | Moon Wing Too |
| | | (Signa | ature of Louis Kwan |
| | | | |
| Statement | of Witness | | |
| I, | Hayley Brown | | , whose full post office |
| | (Name of Witne | ess) | |
| address i | s <u>171 Third</u> | Avenue, Arnprior | , Ontario, K7S 1Z1, Canada |
| | | (Address of Witness | |
| | | | and did see Louie Kwan who |
| | | | n named in the above assignm |
| duly exec | ute the same on | the date set for | rth above. |
| | | \mathbf{M}_{i} | 100 D |
| | | 10 | ywy |
| | | [Signa (| (lire of Witness) |
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| ture and | Statement of Wi | tness for Jenni: | fer Li: |
| | | | • |
| Signature | of Jennifer Li | | |
| | | | , this |
| orgined at | ouau | | , this |
| 30 | day of | May | <u> </u> |
| | | | |
| | | | Tourse 11 |
| | | (Signa | JUNNITER 11 |
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| - | | | . 1 | |
|--|---|--|---|--|
| I, | Hayley Brown (Name of Witness) | | whose full p | oost office |
| addrogg is | • | io Armerica Ont | orio V7C 171 | Canada |
| address is | | ue, Arnprior, Onte | alio, K/5 121 | , Canada |
| state tha | t I was personally | | id see Jenni | for I.i who is |
| | known to me to be | | | |
| | te the same on the | | | ove assignment, |
| duly execu | te the same on the t | Jayley (signature for | Mitness] | |
| ture and S | tatement of Witness | ; for Stanlay Ta | iHai Chow: | |
| ignature | of Stanley TaiHai Cl | | | , this |
| Signature Signed at | of Stanley TaiHai Cl | how | 2007. | , this |
| Signature Signed at | of Stanley TaiHai Cl | bow | 2007. | <u> </u> |
| Signature Signed at | of Stanley TaiHai Cl | bow | | <u> </u> |
| Signature Signed at | of Stanley TaiHai Ci O (| bow | 2007. | <u> </u> |
| Signature Signed at () | of Stanley TaiHai Cl | (Signature of | 2007. Stanley Tailsi | Chow) |
| Signature Signed at | of Stanley TaiHai Cl day of day of | (Signature of | 2007. | Chow) |
| Signature Signed at / 5 Statement I, | of Stanley TaiHai Cl Office of Witness Hayley Brown (Name of Witness) | (Signature of | 2007. Stanley Tailsi whose full p | Chow) |
| Signature Signed at // // Statement I, | of Stanley TaiHai Cl day of day of of Witness Hayley Brown (Name of Witness) 171 Third A | (Signature of | 2007. Stanley Tailsi whose full p | Chow) |
| Signature Signed at / 5 Statement I, address is | of Stanley TaiHai Cl day of day of of Witness Hayley Brown (Name of Witness) 171 Third A | (Signature of venue, Arnprior, ess of Witness) | 2007. Stanley Tailai whose full r | Chow) Dost office 1Z1, Canada |
| Signature Signed at // Statement I, address is state that | of Stanley TaiHai Cl day of day of of Witness Hayley Brown (Name of Witness) 171 Third Ar (Addre | venue, Arnprior, ess of Witness) present and did | 2007. Stanley Tailai whose full r Ontario, K7S see Stanley | Chow) Dost office 1Z1, Canada TaiHai Chow who |
| Signature Signed at // Statement I, address is state that is persona | of Stanley TaiHai Cl day of day of of Witness Hayley Brown (Name of Witness) 171 Third Ar (Addre | venue, Arnprior, ess of Witness) present and did be the person nar | 2007. Stanley Tailai whose full p Ontario, K7S see Stanley 7 med in the ab | Chow) Dost office 1Z1, Canada TaiHai Chow who |
| Signature Signed at // Statement I, address is state that is persona | of Stanley TaiHai Cl day of day of of Witness Hayley Brown (Name of Witness) 171 Third Ar (Address I was personally ally known to me to | venue, Arnprior, ess of Witness) present and did be the person nar | 2007. Stanley Tailai whose full p Ontario, K7S see Stanley 7 med in the ab | Chow) Dost office 1Z1, Canada TaiHai Chow who |

RECORDED: 06/01/2007