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PATENT ASSIGNMENT COVER SHEET

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|---|---------------------------|----------------|--|----------------|--|--|
| SUBMISSION TYPE: | | NEW ASSIGNMENT | | | | |
| NATURE OF CONVEYANCE: | | | ASSIGNMENT | | | |
| CONVEYING PARTY | DATA | | | | | |
| N | | | lame | Execution Date | | |
| NICHOLAS ALEXANDER ALLEN | | | NATIO . | 02/12/2014 | | |
| RECEIVING PARTY DATA | | | | | | |
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| Property Type Application Number: 1418 | | 14180 | Number 0301 | | | |
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| ATTORNEY DOCKET NUMBER: | | | 0097749-188US0 | | | |
| NAME OF SUBMITTER: | | | SCOTT S. ADAMS | | | |
| Signature: | | | /Scott S. Adams/ | | | |
| Date: | | | 02/13/2014 | | | |
| | | | This document serves as an Oath/Declaration (37 CFR 1.63). | | | |

Total Attachments: 4

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U.S. Patent Appin. No. 14/180,301 Filing Date February 13, 2014 Attorney Docket No. <u>0097749-188US0</u> Client Docket No. PM7317-US

PARTIES TO THE ASSIGNMENT

Assignor(s):

NICHOLAS ALEXANDER ALLEN 410 Terry Avenue North Seattle, WA 98109-5210

Assignee: Amazon Technologies, Inc. PO Box 8102 Reno, NV 89507

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

"TERATIVE NETWORK GRAPH PLACEMENT" (Invention) for which a non-provisional application for United States Letters Patent

was filed on ______ and accorded U.S. application no. _____; or

will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of

Davis Wright Tremaine LLP, associated with Customer No. 113507, to insert in the header above and here in parentheses (U.S. application no.14/180,301 ______, filed February 13, 2014 ___) this application's U.S. application number and filing date, when known.

WHEREAS, ASSIGNEE, a corporation of the State of Nevada, is desirous of acquiring the entire

Page 1 of 4

right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor

in the United States and in any and all foreign countries;

U.S. Patent Appln. No. 14/180,301 Filing Date February 13, 2014 Attorney Docket No. 0097749-188US0 Client Docket No. PM7317-US

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is

hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors

and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said

Application and any and all letters patent which may be granted for said Invention in the United States of

America and its territorial possessions and in any and all foreign countries, and in any and all provisional,

divisions, reissues, re-examinations and continuations thereof, including the right to file foreign

applications directly in the name of ASSIGNEE and to claim priority rights deriving from said application

to which said foreign applications are entitled by virtue of international convention, treaty or otherwise,

said Invention, application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE

and its successors and assigns for their use and benefit and of their successors and assigns as fully and

entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer

and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and

Trademarks to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute

all instruments and documents required for the making and prosecution of applications for United States

and foreign letters patent on said Invention, for litigation regarding said letters patent, or for the purpose

of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its

successors, legal representatives, and assigns all claims for damages and all remedies arising out of any

violation of the rights assigned hereby that may have accrued prior to the date of assignment to

ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain

damages for past infringements of said letters patent before or after issuance.

Page 2 of 4

U.S. Patent Appln. No. 14/180,301 Filing Date February 13, 2014 Attorney Docket No. 0097749-188US0 Client Docket No. PM7317-US

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will

communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to

ASSIGNOR respecting the Invention or said application, and testify in any legal proceeding, assist in the

preparation of any other patent property relating to the application and the Invention or any improvements

made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all

rightful oaths and/or declarations in connection with the application and the Invention including any

improvements made thereto, any patent applications filed therefrom, and any continuing application filed

from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE,

its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the

Invention in all countries. These provisions are binding upon our heirs, legal representatives.

administrators, and assigns.

CORRESPONDENCE ADDRESS

I hereby direct all correspondence and telephone calls in connection with this application be

addressed to the number associated with the customer number listed below, which is:

Customer No.

113507

Page 3 of 4

U.S. Patent Appln. No. 14/180,301 Filing Date February 13, 2014 Attorney Docket No. <u>0097749-188US0</u> Client Docket No. <u>PM7317-US</u>

| rung Date February 13, 2014 | Client Docket No. <u>PM</u> | 7317 |
|---|---|-----------|
| DECLARATION | | |
| As a below named inventor, I hereby declare that: | | |
| This declaration is directed to: | | 3 |
| ★ the attached application; or ★ attached application; or ★ a | | |
| United States application number | filed on | _; or |
| PCT international application number | filed on | <u></u> , |
| The above-identified application was made or auth | orized to be made by me. | |
| I believe that I am the original inventor or an original application. | al joint inventor of a claimed Invention in the | |
| I have reviewed and understand the contents of the duty to disclose to the US Patent & Trademark Off patentability as defined in 37 CFR 1.56. | | |
| I hereby acknowledge that any willful false stateme USC 1001 by fine or imprisonment of not more tha | | 18 |
| Legal name of inventor: NICHOLAS ALEXAND | ER ALLEN | |
| ~~~~ 117 12 3 3 4 | | |
| | Inventor Signature | |
| WITNESSED BY: Date | Wimess (Signature) | |
| | Witness (Printed Name) | |
| | se errous franciscos recettos. | |

Page 4 of 4

PATENT REEL: 032216 FRAME: 0065

RECORDED: 02/13/2014