

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bradley E. Marshall</td> <td>06/23/2009</td> </tr> <tr> <td>Nicholas J. Maniscalco</td> <td>06/23/2009</td> </tr> <tr> <td>Luis Felipe Cabrera</td> <td>06/22/2009</td> </tr> </tbody> </table>		Name	Execution Date	Bradley E. Marshall	06/23/2009	Nicholas J. Maniscalco	06/23/2009	Luis Felipe Cabrera	06/22/2009		
Name	Execution Date										
Bradley E. Marshall	06/23/2009										
Nicholas J. Maniscalco	06/23/2009										
Luis Felipe Cabrera	06/22/2009										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Amazon Technologies, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>PO Box 8102</td> </tr> <tr> <td>City:</td> <td>Reno</td> </tr> <tr> <td>State/Country:</td> <td>NEVADA</td> </tr> <tr> <td>Postal Code:</td> <td>89507</td> </tr> </table>		Name:	Amazon Technologies, Inc.	Street Address:	PO Box 8102	City:	Reno	State/Country:	NEVADA	Postal Code:	89507
Name:	Amazon Technologies, Inc.										
Street Address:	PO Box 8102										
City:	Reno										
State/Country:	NEVADA										
Postal Code:	89507										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12494900</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12494900						
Property Type	Number										
Application Number:	12494900										
CORRESPONDENCE DATA											
<p>Fax Number: 4158146165          Phone: (415) 814-6161          Email: heather.armstrong@novakdruce.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Novak Druce + Quigg LLP          Address Line 1: 555 Mission Street          Address Line 2: 34th Floor          Address Line 4: San Francisco, CALIFORNIA 94105</p>											
ATTORNEY DOCKET NUMBER:	20346.0363.NPUS00										
NAME OF SUBMITTER:	Heather Armstrong										
Total Attachments: 5											

OP \$40.00 12494900

source=2012-07-24-Assignment-20346\_0363\_NPUS00#page1.tif  
source=2012-07-24-Assignment-20346\_0363\_NPUS00#page2.tif  
source=2012-07-24-Assignment-20346\_0363\_NPUS00#page3.tif  
source=2012-07-24-Assignment-20346\_0363\_NPUS00#page4.tif  
source=2012-07-24-Assignment-20346\_0363\_NPUS00#page5.tif

U.S. Patent Appln. No. 12/494,900  
Filing Date June 30, 2009

Attorney Docket No. ZM-01013US0  
Client Docket No. REG79091 2009 PT

## PATENT ASSIGNMENT

### PARTIES TO THE ASSIGNMENT

#### Assignor(s):

Bradley E. Marshall  
1200 12<sup>TH</sup> Avenue South, Suite 1200  
Seattle, WA 98144-2734

Nicholas J. Maniscalco  
1200 12<sup>TH</sup> Avenue South, Suite 1200  
Seattle, WA 98144-2734

Luis Felipe Cabrera  
1200 12<sup>TH</sup> Avenue South, Suite 1200  
Seattle, WA 98144-2734

#### Assignee:

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

### AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
"OPPORTUNISTIC PIPE SWITCHING" for which:

- ☐ a non-provisional application for United States Letters Patent:
- ☐ was filed on \_\_\_\_\_ and accorded U.S. Serial No. \_\_\_\_\_; or
- ☒ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby  
authorizes and requests ASSIGNEE'S legal representatives, of Vierra Magen Marcus &  
DeNiro LLP, associated with Customer No. 74364, to insert here in parenthesis  
(U.S. Serial No. 12/494,900, filed June 30, 2009) this APPLICATION's  
U.S. Serial Number and filing date, when known.

WHEREAS, Amazon Technologies, Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of Nevada, is desirous of acquiring the entire 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;

NOW, THEREFOR, 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 improvements, 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 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 United States 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.

U.S. Patent Appln. No. 12/494,900  
Filing Date June 30, 2009

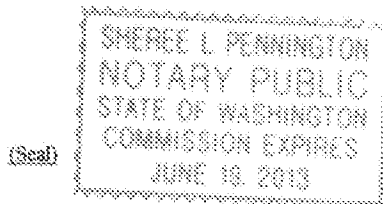
Attorney Docket No. ZM-01013US8  
Client Docket No. REG79091 2009 PT

6-23-09  
Date

Brad S. Marshall  
Bradley E. Marshall

State of Washington )  
County of King ) ss:  
)

I certify that I know or have satisfactory evidence that BRADLEY E. MARSHALL is the person who personally appeared before me and acknowledged that he/she signed the foregoing Patent Assignment and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.



Dated 6-23-2009

Signature of Notary Public Sherree L. Pennington

Printed Name SHERREE L. PENNINGTON

My commission expires 6-18-2013

U.S. Patent Appin. No. 12/494,900  
Filing Date June 30, 2009

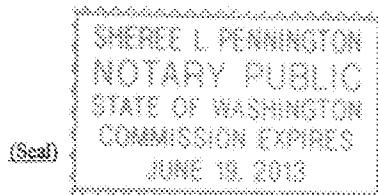
Attorney Docket No. ZM-01013US0  
Client Docket No. REG79091 2009 PT

6/23/2009  
Date

Nicholas J. Maniscalco  
Nicholas J. Maniscalco

State of Washington )  
County of King ) ss:

I certify that I know or have satisfactory evidence that NICHOLAS J. MANISCALCO is the person who personally appeared before me and acknowledged that he/she signed the foregoing Patent Assignment and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.



Dated 6-23-2009

Signature of Notary Public Sherree L. Pennington

Printed Name SHERREE L. PENNINGTON

My commission expires 6-17-2013

U.S. Patent Appln. No. 12/494,900  
Filing Date June 30, 2009

Attorney Docket No. ZM-01013US0  
Client Docket No. REG79091 2009 PT

June 22, 2009  
Date

Luis Felipe Cabrera  
Luis Felipe Cabrera

State of Washington )  
County of King ) ss:

I certify that I know or have satisfactory evidence that LUIS FELIPE CABRERA is the person who personally appeared before me and acknowledged that he/she signed the foregoing Patent Assignment and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

(Seal)  
SHEREE L. PENNINGTON  
NOTARY PUBLIC  
STATE OF WASHINGTON  
COMMISSION EXPIRES  
JUNE 19, 2013

Dated 6-22-2009  
Signature of Notary Public Sherree L. Pennington  
Printed Name SHEREE L. PENNINGTON  
My commission expires 6-19-2013