

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3508291

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	07/01/2015

CONVEYING PARTY DATA

Name	Execution Date
ASPERA, INC.	07/29/2015

RECEIVING PARTY DATA

Name:	International Business Machines Corporation
Street Address:	New Orchard Road
City:	Armonk
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 19

Property Type	Number
Patent Number:	8085781
Patent Number:	8214707
Patent Number:	8583977
Patent Number:	8996945
Patent Number:	8051017
Patent Number:	8909560
Patent Number:	8719443
Application Number:	60638806
Application Number:	14673635
Application Number:	60649198
Application Number:	60649197
Application Number:	60672826
Application Number:	11849782
Application Number:	61021766
Application Number:	61158000
Application Number:	14227939
Application Number:	61473270
Application Number:	13442707
Application Number:	62098482

PATENT

CORRESPONDENCE DATA**Fax Number:** (301)762-4056*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***Phone:** 301-424-3640**Email:** je@usiplaw.com**Correspondent Name:** EDELL, SHAPIRO & FINNAN, LLC**Address Line 1:** 9801 WASHINGTONIAN BOULEVARD**Address Line 2:** SUITE 750**Address Line 4:** GAITHERSBURG, MARYLAND 20878

NAME OF SUBMITTER:	STUART B. SHAPIRO
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SIGNATURE:	/Stuart B. Shapiro/
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DATE SIGNED:	09/01/2015
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Total Attachments: 3

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PATENT ASSIGNMENT

WHEREAS, Aspera, Inc., a California corporation (referred to as "Company"), whose full post office address is 5900 Hollis Street, Suites E-F, Emeryville, CA 94608, has ownership of the patent applications listed on Schedule A hereon, all patents which may issue therefrom, and all divisionals, renewals, substitutions, continuations, re-examinations and extensions thereof which may be pending in or granted by any patent office or forum throughout the world (referred to as the "Patents") and whereas Company owns all inventions disclosed and claimed in the Patents ("Inventions").

WHEREAS, International Business Machines Corporation, a New York corporation whose full post office address is New Orchard Road, Armonk, New York 10504, United States of America (referred to as "IBM"), desires to acquire the entire right, title and interest in and to the Inventions and Patents; and

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Company hereby transfers and assigns to IBM free and clear of all liens or other encumbrances, and IBM hereby accepts the transfer and assignment of, the entire right, title, and interest of Company in and to the Patents and Inventions, and all rights of priority resulting from the filing of the Patents; and Company hereby authorizes and requests the Commissioner of Patents and any other relevant authority to have all patents related to the Patents to IBM as assignee of Company's entire right, title and interest therein.

Company also hereby transfers and assigns to IBM, and IBM hereby accepts the transfer and assignment of, any foreign rights to the Inventions and Patents, in all countries of the world, including the right to file applications, prosecute, and obtain patents under any treaty including the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, and of the European Patent Convention. Company agrees that this executed document is recordable evidence of such transfer and assignment and further agrees to perform at IBM's expense, upon reasonable notice, such lawful acts and to execute any and all patent applications, assignments, affidavits and any other papers in connection therewith necessary to perfect such foreign patent rights.

Upon the written request of IBM, Company hereby further agrees that Company will sign all lawful papers, execute all divisional, continuation, reissue, re-examination, and substitute applications, make all lawful oaths, and provide reasonable assistance to aid IBM, its successors, assigns and nominees to facilitate the prosecution and maintenance of the Patents in all countries of the world.

This transfer and assignment is effective as of July 1, 2015.

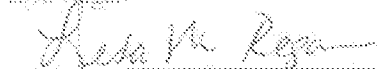
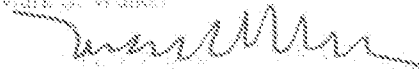
IN WITNESS WHEREOF, the parties hereto have executed this Patent Assignment by its respective duly authorized officer in their respective corporate names.

Aspera, Inc.

International Business Machines Corporation

By: Mark S. Walker

By: Lisa Regan



Title: Secretary

Title: Director, Research and Intellectual Property Finance

Date:

29 July 2015

Date:

7/5/15

ASPERA, INC. TO INTERNATIONAL BUSINESS MACHINES CORPORATION
 SCHEDULE A

ISSUED PATENTS						
Patent Number	Issue Date	Application No.	Filing Date	Title	Country	Owner
8085781	12/27/2011	11/317663	12/23/2005	Bulk Data Transfer	US	Aspera, Inc.
8214707	7/3/2012	11/768336	6/26/2007	Method and System for Reliable Data Transfer	US	Aspera, Inc.
8583977	11/12/2013	13/540404	7/2/2012	Method and System for Reliable Data Transfer	US	Aspera, Inc.
8996245	3/31/2015	14/076767	11/11/2013	Bulk Data Transfer	US	Aspera, Inc.
8051017	11/1/2011	13/321314	1/16/2009	Practical Model for High Speed File Delivery Services Supporting Guaranteed Delivery Times and Differentiated Service Levels	US	Aspera, Inc.
8909560	12/9/2014	13/285354	10/31/2011	Practical Model for High Speed File Delivery Services Supporting Guaranteed Delivery Times and Differentiated Service Levels	US	Aspera, Inc.
8719442	3/6/2014	12/918233	3/5/2010	Method and System for PO Driven Rate Adaptation	US	Aspera, Inc.

ASPERA, INC. TO INTERNATIONAL BUSINESS MACHINES CORPORATION
 SCHEDULE A

PATENT APPLICATIONS				
Application No.	Filing Date	Title	Country	Owner
60/638806	12/24/2004	Bulk Data Transfer Protocol for Reliable, High-Performance Data Transfer with Independent, Fully Manageable Rate Control	US	Aspera, Inc.
14/673635	3/30/2015	Bulk Data Transfer	US	??
60/649178	2/1/2005	Bulk Data Transfer	US	Aspera, Inc.
60/649197	2/1/2005	Bulk Data Transfer	US	Aspera, Inc.
60/672826	4/18/2006	Fast Data Transfer Apparatus and Method	US	Aspera, Inc.
11/849782	9/4/2007	Method and System for Aggregate Bandwidth Control	US	Aspera, Inc.
61/021766	1/17/2008	Practical Model for High Speed File Delivery Services Supporting Guaranteed Delivery Times and Differentiated Service Levels	US	Aspera, Inc.
61/158000	3/8/2009	Method and System for I/O Driven Rate Adaptation	US	Aspera, Inc.
14/027939	3/27/2014	Method and System for I/O Driven Rate Adaptation	US	Aspera, Inc.
61/473270	4/8/2011	Multicast Bulk Transfer System	US	Aspera, Inc.
13/412707	4/9/2012	Multicast Bulk Transfer System	US	Aspera, Inc.
62/098482	12/31/2013	Scalable and Distributed Data Store	US	Aspera, Inc.

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