504589053 10/11/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EVersion v1.1 EPAS ID: PAT4635765

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| GEORGE BESKALES | 10/31/2016 |
| IHAB F. ILYAS | 10/31/2016 |

RECEIVING PARTY DATA

| Name: | TAMR, INC. |
|-----------------|-----------------------------|
| Street Address: | 66 CHURCH STREET, 2ND FLOOR |
| City: | CAMBRIDGE |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02138 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15729980 |

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| ATTORNEY DOCKET NUMBER: | 2017-2023 |
|-------------------------|-----------------------|
| NAME OF SUBMITTER: | MICHAEL A BARTLEY |
| SIGNATURE: | /michaelbartley63986/ |
| DATE SIGNED: | 10/11/2017 |

Total Attachments: 6

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Assignor:

George Beskales

(a CANADIAN citizen, a US resident) c/o Tamr, Inc. 66 Church Street, 2nd Floor Cambridge, MA 02138 UNITED STATES Assignee:

Tamr, Inc.

(a Delaware corporation)
66 Church Street, 2nd Floor
Cambridge, MA 02138
UNITED STATES

WHEREAS Assignor made certain inventions and discoveries described in patent application(s) and/or issued patent(s) filed in the United States Patent and Trademark Office and/or other jurisdictions as set forth on attached **Schedule A**; and WHEREAS Assignee is desirous of acquiring any and all patent-related rights that Assignor may have, including:

- (1) rights in and to said inventions and discoveries described in said application(s) and/or patent(s);
- (2) rights in and to all applications for patent(s) on said inventions and discoveries in any and all countries;
- (3) rights in and to all improvements, divisions, continuations, reissues, and extensions thereof,
- (4) all rights of priority resulting from the filing of said patent application(s); and
- (5) all rights to recover for damages and profits for past infringements thereof.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and without reservation:

- 1. Assignor does hereby assign unto Assignee all of said patent-related rights throughout the world.
- 2. Assignor authorizes Assignee to file patent applications in Assignor's name, or in the name of Assignee or otherwise, under the International Convention or otherwise, in any or all countries on any or all of said inventions and discoveries.
- 3. Assignor authorizes and requests the Commissioner of Patents of the United States of America, and any official whose duty it is to issue patents, to issue to Assignee any patent on said inventions and discoveries, or any patent resulting from said inventions and discoveries.
- 4. Assignor agrees that, on request, and without consideration but at the expense of Assignee, Assignor will communicate to Assignee or its representatives or nominees any facts known to Assignor respecting said inventions and discoveries, testify in any legal proceedings, sign and deliver all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, deliver any and all documents, photographs, models, samples, and other physical exhibits in my control respecting said inventions and discoveries, and generally aid Assignee or its representatives or nominees to obtain and enforce proper protection for said inventions and discoveries in all countries.
- 5. Assignor warrants that Assignor has not knowingly conveyed to others any right in said inventions and discoveries, and that Assignor has good right to assign said inventions and discoveries to Assignee without encumbrance.

By Assignor: George Beskales

10/31/2016

Date

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| appeared (na evidence of identification, which were | , before me, the undersigned notary public, personally ame of document signer), proved to me through satisfactory to be the person whose name ment, and acknowledged to me that (he) (she) signed it |
|---|--|
| STATE OF | |
| COUNTY OF |) ss.:) |
| | |
| Notary Public | |

Schedule A

Jurisdiction: UNITED STATES

Application Number: (NOT AVAILABLE)
Title: SCALABLE BINNING FOR BIG DATA DEDUPLICATION

Inventors: George Beskales and Ihab F. Ilyas

Filing Date: filed herewith

Patent Number: (NOT AVAILABLE)
Issue Date: (NOT AVAILABLE)

Assignor:

Ihab F. Ilyas

(a CANADIAN citizen, a CANADIAN resident)
c/o Tamr, Inc.
66 Church Street, 2nd Floor
Cambridge, MA 02138
UNITED STATES

Assignee:

Tamr, Inc.

(a Delaware corporation)
66 Church Street, 2nd Floor
Cambridge, MA 02138
UNITED STATES

WHEREAS Assignor made certain inventions and discoveries described in patent application(s) and/or issued patent(s) filed in the United States Patent and Trademark Office and/or other jurisdictions as set forth on attached **Schedule A**; and WHEREAS Assignee is desirous of acquiring any and all patent-related rights that Assignor may have, including:

- (1) rights in and to said inventions and discoveries described in said application(s) and/or patent(s);
- (2) rights in and to all applications for patent(s) on said inventions and discoveries in any and all countries;
- (3) rights in and to all improvements, divisions, continuations, reissues, and extensions thereof,
- (4) all rights of priority resulting from the filing of said patent application(s); and
- (5) all rights to recover for damages and profits for past infringements thereof.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and without reservation:

- 1. Assignor does hereby assign unto Assignee all of said patent-related rights throughout the world.
- 2. Assignor authorizes Assignee to file patent applications in Assignor's name, or in the name of Assignee or otherwise, under the International Convention or otherwise, in any or all countries on any or all of said inventions and discoveries.
- 3. Assignor authorizes and requests the Commissioner of Patents of the United States of America, and any official whose duty it is to issue patents, to issue to Assignee any patent on said inventions and discoveries, or any patent resulting from said inventions and discoveries.
- 4. Assignor agrees that, on request, and without consideration but at the expense of Assignee, Assignor will communicate to Assignee or its representatives or nominees any facts known to Assignor respecting said inventions and discoveries, testify in any legal proceedings, sign and deliver all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, deliver any and all documents, photographs, models, samples, and other physical exhibits in my control respecting said inventions and discoveries, and generally aid Assignee or its representatives or nominees to obtain and enforce proper protection for said inventions and discoveries in all countries.
- 5. Assignor warrants that Assignor has not knowingly conveyed to others any right in said inventions and discoveries, and that Assignor has good right to assign said inventions and discoveries to Assignee without encumbrance.

31/10/2016

Date

By Assignor: Ihab F. Ilyas

| Acknowledgment | Ackn | owled | gment |
|----------------|------|-------|-------|
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| appearedevidence of identification, which were | , before me, the undersigned notary public, personally (name of document signer), proved to me through satisfactory, to be the person whose name cument, and acknowledged to me that (he) (she) signed it |
|--|---|
| STATE OF |) |
| COUNTY OF |) ss.:) |
| | |
| Notary Public | |

Schedule A

Jurisdiction: **UNITED STATES**Application Number: (NOT AVAILABLE)

Title: SCALABLE BINNING FOR BIG DATA DEDUPLICATION

Inventors: George Beskales and Ihab F. Ilyas

Filing Date: filed herewith

Patent Number: (NOT AVAILABLE)
Issue Date: (NOT AVAILABLE)

PATENT REEL: 043838 FRAME: 0049

RECORDED: 10/11/2017