

01-26-2010

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103587397

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Reuven Bakalash (executed August 13, 2009)
Guy Shaked (executed August 13, 2009)
Joseph Caspi (executed September 4, 2009)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) August 13, 2009 and September 4, 2009

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: HyperRoll, Israel, Ltd.

Internal Address: _____

Street Address: Bldg 3A, Omer Industrial Pa:
PO Box 3020

City: Omer

State: _____

Country: Israel Zip: 84965

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

12657143

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Thomas J. Perkowski, Esq. PC

Internal Address: _____

Street Address: 22 Thorndal Circle

City: Darien

State: CT Zip: 06820

Phone Number: 203-357-1950

Fax Number: 203-357-1959

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 16-1340

Authorized User Name Thomas J. Perkowski

9. Signature:

Signature

Date

Thomas J. Perkowski, Esq.

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

8

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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PATENT
REEL: 023867 FRAME: 0011

ASSIGNMENT OF PATENT RIGHTS

The undersigned assignors (together, the "*Assignors*") have invented and wish to assign the inventions and improvements described and disclosed in the Applications and/or Patents described below (the "*Inventions*") and HyperRoll Israel, Ltd., an Israeli company ("*Assignee*"), desires to acquire the entire right, title and interest in and to the assets and rights convey, assigned, and transferred pursuant to this Assignment of Patent Rights, made effective as of _____, 2009 (this "*Assignment*").

Therefore, for valuable consideration, the receipt and sufficiency of which Assignors acknowledge, each Assignor hereby irrevocably and unconditionally conveys, assigns, and transfers to Assignee, the full extent of all right, title, and interest in and to any and all of the following (the "*Rights*"):

- The Inventions and all rights in any country of the world with respect to the Inventions;
- The provisional patent applications, patent applications and patents listed in the table below, as well as all letters patent, United States patents or other governmental grants or issuances that may be granted or issued with respect to the Inventions, as well as any and all divisions, continuations (in whole or in part), substitutions, renewal, or other applications claiming priority rights from the Patents or Inventions (the "*Patents*");
- All reissues, requests for continuing examinations, reexaminations, extensions or registrations of the Applications and/or the Patents;
- All non-United States patents, patent applications, and counterparts with respect of the Inventions, the Applications, and the Patents including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances, and including the right to file foreign applications directly in the name of Assignee;
- The right to claim priority rights deriving from the Patents and/or Applications and for Assignee to otherwise avail itself of the provisions of the international conventions governing the protection of inventions;
- All causes of action, remedies and other enforcement rights related to the Applications, the Inventions, and the Patents (including, without limitation, the right to sue for past, present or future infringement, misappropriation or violation of rights related to the Applications, the Inventions, and the Patents);
- All rights to collect royalties and other payments under or on account of any of the Applications, the Inventions, and the Patents;
- Any and all other rights and interests arising out of, in connection with, or in relation to the Applications, the Inventions, and the Patents; and
- All documents related to the conception, diligence and reduction to practice of the Inventions and all domestic and international patent filing documents.

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and Inventors</u>
7,315,849 (10/314,884)	US	12/9/2002	Enterprise-wide data-warehouse with integrated data aggregation engine Reuven Bakalash, Guy Shaked, Joseph Caspi
7,333,982 (10/314,904)	US	12/9/2002	Information system having a mode of operation in which queries from one or more clients are serviced using aggregated data retrieved from a plurality of different types of data storage structures for improved query performance Reuven Bakalash, Guy Shaked, Joseph Caspi

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<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and Inventors</u>
11/704,712	US	2/9/2007	System with a data aggregation module generating aggregated data for responding to OLAP analysis queries in a user transparent manner Reuven Bakalash, Guy Shaked, Joseph Caspi
11/825,645	US	7/6/2007	Relational database management system (RDBMS) employing a relational datastore and a multi-dimensional database (MDDDB) for serving query statements from client machines Reuven Bakalash, Guy Shaked, Joseph Caspi
11/825,644	US	7/6/2007	Relational database management system (RDBMS) employing multi-dimensional database (MDDDB) for servicing query statements through one or more client machines Reuven Bakalash, Guy Shaked, Joseph Caspi
11/888,904	US	8/2/2007	Database management system (DBMS) employing a relational datastore and a multi-dimensional database (MDDDB) for servicing query statements in a manner transparent to client machine Bakalash, Reuven; Shaked, Guy; Caspi, Joseph
11/890,667	US	8/2/2007	Method of servicing query statements from a client machine using a database management system (DBMS) employing a relational datastore and a multi-dimensional database (MDDDB) Reuven Bakalash, Guy Shaked, Joseph Caspi
7,392,248 (10/314,868)	US	12/9/2002	Data aggregation server supporting rapid query response with sparse multi-dimensional data Bakalash, Reuven; Shaked, Guy; Caspi, Joseph
11/818,944	US	8/3/2007	Data aggregation module supporting dynamic query responsive aggregation during the servicing of database query requests provided by one or more client machines Bakalash, Reuven; Shaked, Guy; Caspi, Joseph
12/455,664	US	6/4/2009	Relational database management system (RDBMS) employing a relational datastore and a multi-dimensional database (MDDDB) for serving query statements from client machines Bakalash, Reuven; Shaked, Guy; Caspi, Joseph
12/455,665	US	6/4/2009	Relational database management system (RDBMS) employing multi-dimensional database (MDDDB) for servicing query statements through one or more client machines Bakalash, Reuven; Shaked, Guy; Caspi, Joseph

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and Inventors</u>
12/384,093	US	3/31/2009	Relational database management system having integrated non-relational multi-dimensional data store of aggregated data elements Bakalash, Reuven; Shaked, Guy; Caspi, Joseph

Assignors will not execute any writing or do any act conflicting with this Assignment of Patent Rights and, without further compensation, will execute all documents and do such additional acts as Assignee deems necessary or desirable to: perfect enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the respective patent office or governmental agency in each jurisdiction to grant or issue any and all letters patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Rights in the name of Assignee, as Assignee to the entire interest therein.

A copy of this Assignment will be deemed a full legal and formal equivalent of any document that may be required in any country as proof of the right of Assignee to apply for patent or other protection for any Inventions and to claim the benefit of the right of priority thereto. Assignors grant to Assignee the right, power and authority to insert in this Assignment of Patent Rights any further information or identification that may be necessary or desirable to comply with the applicable rules and procedures for recordation of this Assignment of Patent Rights, or perfecting its benefit, throughout the world.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors or assigns, and anyone properly designated by them and will be binding upon each Assignor, his/her successors or assigns, and anyone properly designated by them.

[Intentionally Blank – Signature Pages Follow]

ASSIGNOR 1:


(Reuven Bakalash, Signature *MUST* be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Reuven Bakalash to the above Confirmatory Assignment of Patent Rights on behalf of Reuven Bakalash and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Reuven Bakalash is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on _____, 2009 to execute the above Confirmatory Assignment of Patent Rights on behalf of Reuven Bakalash.
3. Reuven Bakalash subscribed to the above Confirmatory Assignment of Patent Rights on behalf of Reuven Bakalash.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on Aug 13, 2009 (date)


Print Name: _____

**Rachel Graciano
Vice Consul**

INDEFINITE

13 AUG 2009

ASSIGNOR 2:



(Guy Shaked, Signature *MUST* be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Guy Shaked to the above Confirmatory Assignment of Patent Rights on behalf of Guy Shaked and makes the following statements:

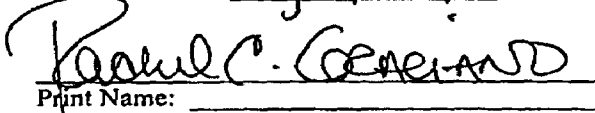
4. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

5. Guy Shaked is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on _____, 2009 to execute the above Confirmatory Assignment of Patent Rights on behalf of Guy Shaked.

6. Guy Shaked subscribed to the above Confirmatory Assignment of Patent Rights on behalf of Guy Shaked.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on Aug 13, 2009 (date)



Print Name: _____

**Rachel Graciano
Vice Consul**

INDEFINITE

13 AUG 2009

Joseph Caspi
(Joseph Caspi, Signature *MUST* be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Joseph Caspi to the above ~~Confirmatory~~ ^{9/4/09} Assignment of Patent Rights on behalf of Joseph Caspi and makes the following statements:

7. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

8. Joseph Caspi is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Sept 4, 2009 to execute the above ~~Confirmatory~~ Assignment of Patent Rights on behalf of Joseph Caspi.

9. Joseph Caspi subscribed to the above ~~Confirmatory~~ ^{9/4/09 y.c.} Assignment of Patent Rights on behalf of Joseph Caspi.

^{9/4/09 y.c.}
I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on 9/4/09 (date)

Morgan Mingram
Print Name: Morgan Mingram

