08/31/2017 504529633

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4576339

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUBUTAI AHMAD	03/06/2012
DILEEP GEORGE	03/06/2012
JEFFREY L. EDWARDS	03/07/2012
WILLIAM C. SAPHIR	03/05/2012
FRANK ASTIER	03/02/2012
RONALD MARIANETTI	03/06/2012

RECEIVING PARTY DATA

Name:	NUMENTA, INC.
Street Address:	791 MIDDLEFIELD ROAD
City:	REDWOOD CITY
State/Country:	CALIFORNIA
Postal Code:	94063

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15449753

CORRESPONDENCE DATA

Fax Number: (650)943-5373

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: 650-335-7291

lburshteyn@fenwick.com Email:

Correspondent Name: DOHYUN AHN

Address Line 1: **801 CALIFORNIA STREET**

Address Line 2: FENWICK & WEST

Address Line 4: MOUNTAIN VIEW, CALIFORNIA 94041

ATTORNEY DOCKET NUMBER:	25172-36275/US
NAME OF SUBMITTER:	DOHYUN AHN, REG. NO. 63,237
SIGNATURE:	/Dohyun Ahn/
DATE SIGNED:	08/31/2017

PATENT REEL: 043467 FRAME: 0880 504529633

Total Attachments: 15 source=36275_US_executedAssignment_CON26482_Con20592#page1.tif source=36275 US executedAssignment CON26482 Con20592#page2.tif source=36275 US executedAssignment CON26482 Con20592#page3.tif source=36275 US executedAssignment CON26482 Con20592#page4.tif source=36275 US executedAssignment CON26482 Con20592#page5.tif source=36275 US executedAssignment CON26482 Con20592#page6.tif source=36275 US executedAssignment CON26482 Con20592#page7.tif source=36275_US_executedAssignment_CON26482_Con20592#page8.tif source=36275 US executedAssignment CON26482 Con20592#page9.tif source=36275 US executedAssignment CON26482 Con20592#page10.tif source=36275_US_executedAssignment_CON26482_Con20592#page11.tif source=36275 US executedAssignment CON26482 Con20592#page12.tif source=36275 US executedAssignment CON26482 Con20592#page13.tif source=36275 US executedAssignment CON26482 Con20592#page14.tif source=36275_US_executedAssignment_CON26482_Con20592#page15.tif

PATENT REEL: 043467 FRAME: 0881

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Numenta, Inc. a California corporation, having a place of business at 811 Hamilton Street, Redwood City, CA 94063, ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

- 1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional application filed under 35 U.S.C. § 111(b), non-provisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):
 - Application No. 13/415,713 , entitled "HIERARCHICAL TEMPORAL MEMORY (HTM) SYSTEM DEPLOYED AS WEB SERVICE," filed on March 8, 2012 which claims priority from a U.S. application, filed on February 11, 2008, now bearing U.S. Application No. 12/029,434, which claims priority from a provisional application No. 60/904,761 filed on February 28, 2007; and which also claims priority from U.S. Application No. 12/576,966 filed on October 9, 2009, which claims priority from US application No. 11/622,454 filed on January 11, 2007, which claims priority from U.S. Application No. 11/351,437, filed on February 10, 2006, which claims priority from a provisional Application No. 60/771,990, filed on February 10, 2006.
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Attorney Docket No. 25172-20592

1 of 3

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HIERARCHICAL TEMPORAL MEMORY (HTM) SYSTEM DEPLOYED AS

WEB SERVICE

Filed:

March 8, 2012

Application No.:

13/415,713

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Name and Signature	Date of Signature
	, 2012
SUBUTAI AHMAD	
Name and Signature	Date of Signature
	, 2012
DILEEP GEORGE	
Name and Signature	Date of Signature
	, 2012
JEFFERY L. EDWARDS	
Name and Signature	Date of Signature
Ban Mar	March 5, 2012
WILLIAM C. SAPHIR	

Title:	HIERARCHICAL TEMPORAL MEMORY (HTM) SYSTEM DEPLOYED AS WEB SERVICE
Filed:	March 8, 2012
Application No.:	13/415,713
Name and Signature	Date of Signature
	, 2012
FRANK ASTIER	
Name and Signature	Date of Signature
	, 2012

RONALD MARIANETTI

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Attorney Docket No: 25172-20592 1 of 3 A9090/00100/DOCS/2089658.4

Title:	HIERARCHICAL TEMPORAL MEMORY (HTM) SYSTEM DEPLOYED AS	
	WEB SERVICE	
PH.J.	March 8 2012	

Filed: March 8, 201.
Application No.: 13/415,713

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Name and Signature	Date of Signature
Solution. Almas	3/6,2012
SUBUTAI AHMAD	,
Name and Signature	Date of Signature
	, 2012
DILEEP GEORGE	
Name and Signature	Date of Signature
	, 2012
JEFFERY L. EDWARDS	
Name and Signature	Date of Signature
	, 2012
WILLIAM C. SAPHIR	

Title:	HIERARCHICAL TEMPORAL MEMORY (HTM) SYSTEM DEPLOYED AS WEB SERVICE	
Filed:	March 8, 2012	
Application No.:	13/415,713	00000
Name and Signature	Date of Signature	
FRANK ASTIER		
Name and Signature	Date of Signature	
Related	3/6 ,2012	

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Attorney Docket No: 25172-20592 1 of 3 A9090/00100/DOCS/2089658.4

Title: HIERARCHICAL TEMPORAL MEMORY (HTM) SYSTEM DEPLOYED AS WER SERVICE

WEB SERVICE March 8, 2012

Application No.: 13/415,713

Filed:

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Name and Signature	Date of Signature
	, 2012
SUBUTAI AHMAD	
Name and Signature	Date of Signature
	, 2012
DILEEP GEORGE	
Name and Signature	Date of Signature
	, 2012
JEFFERY L. EDWARDS	
Name and Signature	Date of Signature
	, 2012
WILLIAM C. SAPHIR	

Title: Filed: Application No.:	HIERARCHICAL TEMPORAL MEMORY (HTM) SYSTEM DEPLOYED AS WEB SERVICE March 8, 2012 13/415,713	
Name and Signature Ula FRANK ASTIER	Date of Signature 03/02/2012	
Name and Signature	Date of Signature	

RONALD MARIANETTI

NUMENTA INC

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 - Application No. Archaeles . entitled "Hierarchical Temporal Memory (HTM) System Deployed as Web Service," filed on Mark 8, 2012 which claims priority from a U.S. application, filed on February 11, 2008, now bearing U.S. Application No. 12/029,434, which claims priority from a provisional application No. 60/904.761 filed on February 28, 2007; and which also claims priority from U.S. Application No. 12/576,966 filed on October 9, 2009, which claims priority from U.S. application No. 11/622,454 filed on January 11, 2007, which claims priority from U.S. Application No. 11/351,437, filed on February 10, 2006, which claims priority from a provisional Application No. 60/771,990, filed on February 10, 2006.
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Title:	Hierarchical Temporal Memory (HTM) System Deployed as
	WESSERVICE
Filed:	13/415,713
Application No.:	March 2, 2012
TATAL TATAL CONTRACTOR	

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This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature	Date of Signature
	, 2012
SUBUTAI AHMAD	
Name and Signature	Date of Signature
	, 2012
DILEEP GEORGE	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT
Name and Signature	Date of Signature
JERY L. EDWARDS	3/7 ,2012
JYFFFRY L. EDWARDS	,
Name and Signature	Date of Signature
The system of th	, 2012
WILLIAM C. SAPHIR	4680°

2 of 3

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Title: Filed: Application No.:	HERARCHICAL TEMPORAL MEMORY (HTM) SYSTEM DEPLOYED AS WEB SERVICE March 8, 2012 13/415,713	
Name and Signature	Date of Signature	
FRANK ASTIER	, 2012	
Name and Signature	Date of Signature	
RONALD MARIANETTI	, 2012	

3 of 3

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	, 2012
SUBUTAI AHMAD	
Name and Signature	Date of Signature
DILEEP GEORGE	<u>March - 06</u> , 2012
Name and Signature	Date of Signature
	, 2012
JEFFERY L. EDWARDS	
Name and Standard	That CC' A II
Name and Signature	Date of Signature
	, 2012
WILLIAM C. SAPHIR	THE TAXABLE PROPERTY OF THE PR

Title: Filed: Application No.;	HIERARCHICAL TEMPORAL MEMORY (HTM) SYSTEM DEPLOYED AS WEB SERVICE March 8, 2012 13/415,713	
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FRANK ASTIER		
Name and Signature	Date of Signature	
RONALD MARIANETTI	, 2012	

3 of 3

PATENT REEL: 043467 FRAME: 0896