PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEROEN M. VAN ROTTERDAM	09/29/2015
DMITRY VOLCHEGURSKY	09/28/2015
CHAO CHEN	09/24/2015
AMEYA DEVENDRA BAPAT	09/24/2015
SHANMUGASUNDARAM KS	09/23/2015

RECEIVING PARTY DATA

Name:	EMC CORPORATION
Street Address:	176 SOUTH STREET
City:	HOPKINTON
State/Country:	MASSACHUSETTS
Postal Code:	01748

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14871123

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	ALY Z. DOSSA
SIGNATURE:	/Aly Z. Dossa/
DATE SIGNED:	10/19/2015
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Total Attachments: 6

PATENT REEL: 036822 FRAME: 0576

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ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

EMC Corporation

having the following address:

176 South Street Hopkinton, Massachusetts 01748

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

TRANSLATION OF UNSTRUCTURED TEXT INTO SEMANTIC MODELS

for which the INVENTOR(S) or COMPANY has/have made an application for patent in the United States of America, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

- 1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
- To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
- To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

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		has been executed by each of the undersigned
individuals on the date appearing	g by such individual's signatu	ire:
9/29/2015 Date	1 st Inventor Signature: _ Print or Type Name: _	Jeroen M. Van Rotterdam
	2 nd Inventor Signature:	
Date	Print or Type Name: _	Dmitry Volchegursky
	3 rd Inventor Signature:	
Date	Print or Type Name:	Chao Chen
	4 th Inventor Signature:	
Date	Print or Type Name:	Ameya Devendra Bapat
	5th Inventor Signature:	
Date		Shanmugasundaram KS
	Print or Type Name: _	

When this Assignment is <u>not</u> filed concurrently with the patent application, the following identifying information may be added <u>after</u> execution:

U.S. Application Serial No.: 14/871,123

Filing Date: September 30, 2015



Intellectual Property Law

en jaron da esperante de la companya de la company	1" Inventor Signature:	
Date	Print or Type Name:	Jeroen M. Van Rotterdam
1.28 ,2018	5 2 nd Inventor Signature:	14
Date	Print or Type Name:	Dryffry Wolchegursky
	3 rd Inventor Signature:	
Date	Print or Type Name:	Chao Chen
	4 th Inventor Signature:	and the state of the second
Date	Print or Type Name:	Ameya Devendra Bapat

5th Inventor Signature:

Print or Type Name:

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned

Shanmugasundaram KS

When this Assignment is <u>not</u> filed concurrently with the patent application, the following identifying information may be added <u>after</u> execution:

U.S. Application Serial No.: 14/871,123

Filing Date: September 30, 2015



Date

In witness with this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

	1" Inventor Signature:	
Date	Printer Type Name	Jeroen M. Van Rottenlam
	2 ^{el} Inventor Signature:	
Date	Print or Type Name:	Dmitry Volchegursky
24/01/2015	3 rd Inventor Signature:	Chao Chen
Date	Print or Type Name:	Chao Chen
	4" Inventor Signature:	
	Print or Dype Name:	Ambju Devendra Bapat
Pate	Sin Inventor Signature:	Shanmugasındaran KS
	Print or Type Name:	

When this Assignment is not filled concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.: 14/871,123
Piling Data: September 30, 2015

Intellectual Property Law

	1 st Inventor Signature:	Para Calpadra (1655) princede produce a la calpada (1651).
Date	Print or Type Name:	Jeroen M. Van Rotterdam
	2 rd Inventor Signature:	
Date	Print or Type Name:	Dmitry Volchegursky
	3 rd Inventor Signature:	
Date	Print or Type Name:	Chao Chen
24 89 2015	d ^{is} Inventor Signature:	GREE .
Date	Print or Type Name:	Ameya Devendra Bapat
	5th Inventor Signature:	
Date		Shanmugasundaram KS

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U.S. Application Serial No.: 14/871, 123 Filling Date: September 30, 2015

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intellectual Property Law

	1ª Inventor Signature:	
Date K	Print or Type Name:	Jeroen M. Van Rotterdam
* · · · · · · · · · · · · · · · · · · ·	2 nd Inventor Signature:	
Date	Print or Type Name:	Dmitry Volchegursky
•	3 rd Inventor Signature:	
Date	Print or Type Name:	Chao Chen
anders and the second s	4th Inventor Signature:	
Date	Print or Type Name:	Ameya Devendra Bapat
23/09/2015	5th Inventor Signature:	6
Date	The second of th	Shanmugasundaram KS
	Print or Type Name:	K.S. Shannings Sundamon

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U.S. Application Serial No.: 14/871,123
Filing Date: September 30, 2015

Intellectual Property Law

PATENT REEL: 036822 FRAME: 0583

RECORDED: 10/19/2015