504038979 10/06/2016

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4085640

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEDAR SHRIKRISHNA PATWARDHAN	12/16/2014
ANAND SHRIKRISHNA GHATNEKAR	12/16/2014

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:	15286391

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	EMCCP465C1	
NAME OF SUBMITTER:	SUBMITTER: DANIEL SCHNEIDER	
SIGNATURE:	/Daniel M. Schneider/	
DATE SIGNED:	10/06/2016	

Total Attachments: 4

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PATENT REEL: 039954 FRAME: 0858 504038979

ASSIGNMENT

WHEREAS, we, Kedar Shrikrishna Patwardhan and Anand Shrikrishna Ghatnekar have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled *OPTIMIZATION TO PERMIT BLOCK BASED INCREMENTAL BACKUP ACROSS SYSTEM REBOOT OR CRASH*, the specification of which:

[X]	is being executed on even date herewith and is about to be filed in the United	
	States Patent Office;	
[]	was filed on as U.S. Application No;	
[]	was patented under U.S. Patent Noon	
WHI	EREAS, EMC Corporation (hereinafter "ASSIGNEE"), a corporation organized and	

WHEREAS, EMC Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including

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the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date: 16 Dec. 2014	le do otrose
	Inventor's Signature
Print full name of first inventor:	Kedar Shrikrishna Patwardhan
Residence:	Pune, India
Citizenship:	India
Mailing Address:	176 South Street
	Hopkinton, MA 01748
I Kauslubh Patruardhan (name) whose residential address is 16, Teevan Charla Soc, Vaud Roed, INDIA - 411038 was personally present and did see Kedar Patruardhan (name of person signing the assignment) who is personally known to me, execute the above assignment.	
1 2 Wington	(signature of first witness)
Signed at PUME	_(location of witness signature)
on this day 16 Dec 2014 of 20 14. (date of signature)	
1 Shirki Sma Patwardhan (name) whose residential address is 16 Jeevan Chara Soc. Paud Road, 11101A-411038 was personally present and did see Redu Patcoardhan (name of person signing	
the assignment) who is personally known t	to me, execute the above assignment.
	(signature of second witness)
Signed at PUNE	(location of witness signature)
on this day 16 Dec o	f 2014. (date of signature)

Date: 16th DECEMBER 2014	- train	
•	Inventor's Signature	
Print full name of second inventor:	Anand Shrikrishna Ghatnekar	
Residence:	Pune, India	
Citizenship:	United States of America	
Mailing Address:	176 South Street	
	Hopkinton, MA 01748	
Signed at PUNE (location of witness signature) 502 KUMAR PRIVILEGE, & BOAT CLUB ROAD, PINE-41100 was personally present and did see ANAND. S. GHATNEKAR(name of person signing the assignment) who is personally known to me, execute the above assignment. (signature of first witness) Signed at PUNE (location of witness signature) on this day 16th DECEMBER of 20 14 (date of signature)		
I <u>JAYSTNH. S. KONKAR</u> (name) whose residential address is 302 VINSPA APTS, 6 ROAT CLUB ROAD, PUNE - 41100) was personally present and did see ANAND. S. GRATNEKAR (name of person signing the assignment) who is personally known to me, execute the above assignment. (signature of second witness)		
Signed at PUNE	(location of witness signature)	
on this day 18th DECEMBER of 2014 (date of signature)		

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