503527311 10/16/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3573937

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GREENPLUM, INC.	07/24/2010

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:	14466070

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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) 839-5070

Email: apsi@fr.com,penano@fr.com

Correspondent Name: XIN MA

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	38727-0019002
NAME OF SUBMITTER:	EDWARD L. PENANO
SIGNATURE:	/EDWARD L. PENANO/
DATE SIGNED:	10/16/2015

Total Attachments: 3

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PATENT 503527311 REEL: 036814 FRAME: 0226

ASSIGNMENT OF PATENTS, TRADEMARKS, COPYRIGHTS AND DOMAIN NAMES

THIS ASSIGNMENT ("Assignment") is effective as of July 29, 2010, by and between Greenplum, Inc., a Delaware corporation having its principal place of business at 1900 South Norfolk Street, San Mateo, California 94403 (hereinafter, together with all subsidiary and affiliate companies which it now or hereafter owns, or controls, "Company"), and EMC Corporation, a Massachusetts corporation having its principal place of business at 176 South Street, Hopkinton, Massachusetts 01748 ("Parent").

WHEREAS, Company and Parent are parties to that certain Agreement and Plan of Merger dated as of June 30, 2010 (hereinafter the "Merger Agreement");

WHEREAS, it is a condition to the consummation of the transactions under the Merger Agreement that this Assignment be entered into;

WHEREAS, Company owns certain patents and patent applications which are listed on attached Schedule 1 ("Assigned Patents"), certain trademarks and trademark applications and copyright registrations which are listed on attached Schedule 2 ("Assigned Trademarks and Copyrights"), and certain domain names which are listed on attached Schedule 3 ("Assigned Domain Names");

WHEREAS, Parent desires to receive from Company assignments to the Assigned Patents, Assigned Trademarks and Copyrights, and Assigned Domain Names;

NOW THEREFORE, for good and valuable consideration, Company hereby assigns to Parent, all of (a) Company's entire right, title and interest, including the right to sue for and collect past damages, in and to the Assigned Patents, and any and all divisional applications, continuation applications, continuations-in-part, reissues, reexaminations thereof, and all pending applications therefor, which claim priority from any application from which Assigned Patents are derived, as well as, all foreign counterparts of Assigned Patents; (b) Company's entire right, title and interest, including the right to sue for and collect past damages, in and to the Assigned Trademarks and Copyrights and all goodwill associated therewith; and (c) Company's entire right, title and interest, including the right to sue for and collect past damages, in and to the Assigned Domain Names and all goodwill associated therewith..

Company hereby authorizes the Commissioner of Patents and Trademarks of the United States Patent and Trademark Office, and the empowered officials of any other applicable offices and governments to issue or transfer all said Assigned Patents and Assigned Trademarks and Copyrights to Parent, as assignee thereof, or otherwise as Parent may direct.

[Signature Page Follows]

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Signed at MAKE California, this 24 it day of July, 2010

GREENPLUM, INC.

Name: William Cook
Title: Chief Exceutive Officer

[Signature Page to IP Assignment Agreement]

PATENT REEL: 036814 FRAME: 0228

Schedule 1

Jurisdiction	Application or Patent No.	Filing or Grant Date
United States	7,162,467	January 9, 2007
United States	12347728	Dec. 31, 2008
United States	12499697	08-JUL-2009
United States	12417550	02-APR-2009
United States	12555629	08-SEP-2009
United States	12646716	23-DEC-2009
United States	12751208	31-MAR-2010
United States	12788256	26-MAY-2010

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RECORDED: 10/16/2015

PATENT REEL: 036814 FRAME: 0229