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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT				

CONVEYING PARTY DATA

Name	Execution Date		
Pathangi N. Janardhanan	02/21/2013		
Mukesh Moopath Velayudhan	02/22/2013		

RECEIVING PARTY DATA

Name:	DELL PRODUCTS L.P.
Street Address:	One Dell Way
City:	Round Rock
State/Country:	TEXAS
Postal Code:	78682-2244

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13794229

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ATTORNEY DOCKET NUMBER: 16356.1588 (100915.01)

NAME OF SUBMITTER: Raquel C. West

Total Attachments: 2

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PATENT

REEL: 029966 FRAME: 0270

PATENT

Docket No.: 16356.1588 Dell Ref. No. 100915.01 Customer No.: 000027683

ASSIGNMENT

WHEREAS, we,

(1) Pathangi N. Janardhanan

of Chennai, Tamilnadu, INDIA; and

(2) Mukesh Moopath Velayudhan

of Fremont, California, USA,

have invented certain improvements in a

IMPROVED TECHNIQUES FOR MANAGEMENT OF DATA FORWARDING SYSTEMS WHILE SUPPRESSING LOOPS IN TELECOMMUNICATIONS NETWORKS

and	executed	a	United	States	patent	application	filed	on	March 11, 2013	, and	assigned
appl:	ication Ser	rial	No. 1	3/794,2	29	•					

WHEREAS, we authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

WHEREAS, DELL PRODUCTS L.P., a Texas limited partnership having a place of business at One Dell Way, Round Rock, Texas 78682-2244 (DELL), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefore;

NOW, THEREFORE, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby acknowledge our prior existing obligation and hereby sell, assign, transfer to DELL, its successors and assigns, the entire right, title, and interest in the application and invention therein disclosed for the United States and foreign countries, to and under the said improvements, and the said application and all divisionals, renewals, continuing applications thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to DELL, its successors and assigns; and we hereby agree that DELL may apply for foreign Letters Patent on the invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by DELL.

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(1)	. 4	
Signed By:	P. N. Fandheres	21-868-2013
	Pathangi N. Janardhanan	Date
(2)		
Signed By:	all the same of th	22- FEB- 2013
	Mukesh Moopath Velayudhan	Date

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PATENT REEL: 029966 FRAME: 0272

RECORDED: 03/11/2013