

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Gang Ding	04/20/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	OLYMPUS CORPORATION
<b>Street Address:</b>	2-3 KUBOYAMA-CHO, HACHIOJI-SHI
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12729073
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(858)509-3691
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	213-620-1780
<b>Email:</b>	ldelagarza@smrh.com
<b>Correspondent Name:</b>	SHEPPARD, MULLIN, RICHTER & HAMPTON LLP
<b>Address Line 1:</b>	333 SOUTH HOPE STREET
<b>Address Line 2:</b>	48TH FLOOR
<b>Address Line 4:</b>	LOS ANGELES, CALIFORNIA 90071-1448
<b>ATTORNEY DOCKET NUMBER:</b>	13BP-148396
<b>NAME OF SUBMITTER:</b>	Linda M. de la Garza
<b>Total Attachments: 3</b> source=148396-assignment#page1.tif source=148396-assignment#page2.tif source=148396-assignment#page3.tif	

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**PATENT**  
**REEL: 024275 FRAME: 0829**

## ASSIGNMENT

WHEREAS, Gang Ding of San Diego, California, Assignor, has invented a new and useful MEDIUM ACCESS CONTROL FOR TREE-TOPOLOGY NETWORKS for which an United States Utility patent application was filed on March 22, 2010, under Serial No. 12/729,073; and

WHEREAS, Assignor believes himself to be the original first inventor of the invention disclosed and claimed in the application for Letters Patent; and

WHEREAS, OLYMPUS CORPORATION, a corporation having its place of business at 2-3 KUBOYAMA-CHO, HACHIOJI-SHI, TOKYO, JAPAN, Assignee, desires to acquire by formal, recordable assignment the entire right, title and interest in and to the invention, the application, and any Letters Patent that might be granted for the invention in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, said Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said Assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or

terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this sale and assignment not been made.

AND for the same consideration, said Assignor hereby covenants and agrees to and with said Assignee its successors, legal representatives and assigns, that said Assignor will, whenever counsel of said Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said Assignee, its successors, legal representatives and assigns, but at the cost and expense of said Assignee, its successors, legal representatives and assigns.

AND for the same consideration, said Assignor hereby covenants and agrees to and with said Assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said Assignor is the sole and lawful owner of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for the invention, whether on the application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in the invention.

ASSIGNOR:

Date: 4-20-10

  
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Gang Ding