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To the Director of the U.S. Patent and Tradema	746579	on a steen hand a state of			
1. Name of conveying party(ies):		address of receiving		mereoi.	
Jong-hun PARK		SAMSUNG ELECTRONICS CO., LTD.			
V., k: 1111		416, Maetan-dong, Yeongotng-gu, Suwon-si, Gyeonggi-do, Korea			
Liu YONG Chun hui ZHII					
Chun-hui ZHU Myung-jong LEE		CITY UNIVERSITY OF NEW YORK (CUNY) New York, NY 10031			
Myding-joing LEE	New Tolk, IV	1 10051		٠. / ·	
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Additional name(s) of conveying party(ies) attached? ☐ Yes	☑ No				
3. Nature of conveyance:				<u> </u>	
☑ Assignment ☐ Merger				7	
☐ Security Agreement ☐ Change of Name					
☐ Other					
				_	
Execution Date: May 6, 2004	Additional name	e(s) & address(es) at	tached? Yes	☑ No	
4. Application number(s) or patent number(s):	108411	インブ		2004	
If this document is being filed together with a new	application, the execution	on date of the app	lication is: May 6	, 2004	
A. Patent Application No.(s)	B. Patent No	o.(s)			
		Yes 🗹 No			
5. Name and address of party to whom correspondence	ce 6. Total numb	er of applications	_	ved:	
concerning document should be mailed:		T OFF A LEE	1		
SUGHRUE MION, PLLC	7. Total fee (3		\$40.00	•	
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PATENT REEL: 015322 FRAME: 0923

Assignment

Whereas, I/We, Jong-hun PARK of Seoul, Republic of Korea and Xu-hui HU, Yong LIU, Chun-hui ZHU, and Myung-jong LEE of New York, NY 10031, hereinafter called assignor(s), have invented certain improvements in APPARATUS AND METHOD FOR SETUP OF OPTIMUM ROUTE USING TREE-TOPOLOGY and filed a United States Provisional Patent Application therefor; and

Whereas, SAMSUNG ELECTRONICS CO., LTD. and CITY UNIVERSITY OF NEW YORK of 416, Maetan-dong, Yeongotng-gu, Suwon-si, Gyeonggi-do, Korea and New York, NY 10031, U.S.A., respectively (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

	we hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100
Pennsy	ania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses
(Applie	tion number, filed
	the application number and filing date of said application when known.
Date:	May 6, 2004
Date:	s/Jong-hun PARK May 6, 2004
Date:	s/Xu-hui HU May 6, 2004
Date:	S/Yong LIU Charles The May 6, 2004
Date:	s/Chun-hui ZHU May 6, 2004 s/Myungjong LEE

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

PATENT REEL: 015322 FRAME: 0924

RECORDED: 05/10/2004