2. Name and address of receiving party(ies): JOSEPH MEEHAN SUNGHYUN CHOI Additional name(s) of conveying party(ies) attached? Yes No X 3. Nature of conveyance: X Assignment Change of Terms Security Agreement Change of Terms Security Agreement Security Agreement Change of Terms If this document is being filed together with a new application, the execution date of the application, is DECEMBER 21, 2001 A. Paptication number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application, is DECEMBER 21, 2001 A. Patent Application No. (s) NON YET Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Philips Electronics North America Corporation Internal Address: Street Address: 580 White Plains Road City: Tarrytown State: NY Zip: 10591 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing igrafication(s) is true and correct and any accopy is a true copy of the original document.	Form PTO 1595 (Rev. 6-93)		U.S. Dept. of Commerce Patent and Trademark Office
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Other Execution Date: NOVEMBER 15, 16, 2001 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application, is DECEMBER 21, 2001 A. Patent Application No.(s) NON YET Additional numbers attached? Some and address of party to whom correspondence concerning document should be mailed: Name: Philips Electronics North America Corporation Internal Address: To that fee (37 CFR 3.41)\$40.00 Enclosed X. Authorized to D. Account Authorized to D. Account DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any accopy is a true copy of the original document.	Yes 3. Nature of conveyance: X Assignment	No X Merger	City: 5621 BA Eindhoven, The Netherlands Additional name(s) & address(es) attached?
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To the best of my knowledge and belief, the foregoing information is true and correct and any a copy is a true copy of the original document.			(Attach duplicate copy of this page payin
Russell Gross, Reg. 40,007 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 3		Y_Zip: 10591	(Attach duplicate copy of this page payin deposit account)

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	SOLE/JOINT ASSIGN	MENT !	Docket No	
assign, and transfer Koninklijke Philips I	e consideration, I, as the entire right, titl Electronics N.V., havin 521 BA Eindhoven, NL, i luding any nominees (co	e, and in g a place ts succes	terest in the property of business at sors, assigns,	following to t and legal
METRIC (FOR IEEE 802 [X] e:	n relating to ANTENNA S.11) as described in the kecuted concurrently he kecuted on	re U.S. parerewith,	and Trademark	on Office
(2) the for applications based the extensions, and	regoing application and hereon, including divis	l all othe	r U.S. and for tinuations, re	eign patent issues, and
(3) all pas	tents granted on these	applicati	ons.	
foregoing right, title expense of the Assign testify in all legal infringement actions desirable, or conven invention or for per	ide my cooperation to e le, and interest to the nee, I agree to execute proceedings including , and do all other such ient for securing and m fecting title thereto is atents be issued to the	e fullest e all pape patent pr n acts whi maintainin in the Ass	extent. Upon ars, take all rosecutional ac ch may be nece go patents on thignee. I auth	request at the ightful oaths, tions and ssary, he foregoing
I certify t	hat I have the full rig	tht to con	vey the above	rights.
UKDOL Date	(signature) Joseph			, Assignor
	(signature') (printed name') Sunghyu			. Assignor
Date	(printed name') Sunghyu	n Choi		
State of County of)			
Cn this day o	f, ;	19 befo	re me personal	ly appeared

known to me to be the person(s) who executed the foregoing assignment and acknowledged to me that he/they executed this assignment of his/their own free will.

Notary Public

PATENT REEL: 012427 FRAME: 0422

SOLE/JOINT ASSIGNMENT

Docket	No.		

For good and valuable consideration, I, as a below-named Assignor, hereby sell, assign, and transfer the entire right, title, and interest in the following to Koninklijke Philips Electronics N.V., having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, NL, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

[] filed in the United States Patent and Trademark Office on _____ as Serial Number _____,

- (2) the foregoing application and all other U.S. and foreign patent applications based thereon, including divisions, continuations, reissues, and extensions, and
 - (3) all patents granted on these applications.

I will provide my cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecutional actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee. I authorize and request that these patents be issued to the Assignee.

I certify that I have the full right to convey the above rights.

	(signature*)		, Assignor
Date	(printed name) Joseph Meehan	
11/16/01 Date	(signature') (printed name'	Sunghyun Choi	Assignor
State of County of))	
On this	day of	, 19 befo	ore me personally appeared
known to me to	be the person(s) wh	no executed the fo	regoing assignment and

Notary Public

acknowledged to me that he/they executed this assignment of his/their own free will.

PATENT REEL: 012427 FRAME: 0423

RECORDED: 12/21/2001