(Re. 0301) (Minimum multiplication multiplication of patients and trademark office (Mis No. 665-10027 (sep. 53312002) 102034470 To be Honorable Commissioner of Patients and Trademarks: Please record the attached original documents or copy thereol. 1. Name of conveying party(ise): 1. Name of conveying party(ise): Richard D. English James W. McCoy 2. Name and address of receiving party(ise) 3. Nature of conveying party(ise): 3 - 1 5 - O Z_	Form PTO-1595 RECO	J.S. DEPARTMENT OF COMMERCE
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1. Name of conveying party(iss): Richard P. Stein Richard D. English James W. McCoy 2. Name and address of receiving party(ies) 3. Nature of conveying party(es) attached? Yes No 3 I 5 - O Z. Additional name(s) of conveying party(es) attached? Yes No Internal Address: Inc. 3. Nature of conveyance: Internal Address: Inc. Additional name(s) of conveying party(es) attached? Yes No Street Address: Inc. 3. Nature of conveyance: City: Richardson Street Address: Street Address: Inc. Other City: Richardson Cotter Street Address(s) attached? Yes No 4. Application number(s) or patent number(s): B. Patent No.(s) 10 0 997 329 B. Patent No.(s) Additional numbers attached? Yes No No 5. Name and address of party to whom correspondence concerning document should be mailed: B. Patent No.(s) Name: Data Internal Address: 901 Main Street, Suite 3100 Street Address: 901 Main Street, Suite 3100 City: Data Street Address: 901 Main Street, Suite 3100 City: Data Street Address: 901 Main Street, Suite 3100 Ob NOT USE THIS SPA		2034470 , 🗸 🖌
Richard P. Stein Richard P. Stein Bindard D. English James W. McCoy 3 3 Assignment Assignment Charge of Name Chter Chter Chter Chter <	To the Honorable Commissioner of Patents and Trademarks	s: Please record the attached original documents or copy thereof.
James W. McCov 3 -15 - 0 Z Additional name(s) of conveying patyles) attached? Ves to No Internal Address: Additional name(s) of conveying patyles) attached? Ves to No Street Address: Assignment Merger Security Agreement Change of Name Other City: Recution Date: March 15, 2002 At 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: A. Patent Application No.(s) 10, 0, 0, 9, 9, 32, 29 Additional numbers attached? Yes to No S. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: [1] Name: David L. McCombs 6. Total number: Internal Address: Street. Suite 3100 10 - 10, 9, 17, 20, 20 B. Patent No.(s) 10 - 10, 9, 10, 20, 20, 20, 20, 20, 20, 20, 20, 20, 2	Richard P. Stein	
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Assignment Merger Security Agreement Change of Name Other Other Other City: Richardson Street Address: 1155 Kas Dr., Suite 200 City: Richardson State: TX Zip: 75081 Additional name(s) & address(es) attached? Yes & No A. Application number(s) or patent number(s): If 1 0 1 0 9 9 3 2 9 B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) Concerning document should be mailed: Name: David L. McCombs Internal Address: 901 Main Street, Suite 3100 City: Dallas State: TX Zip: 75202 Do Not USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Signature Signature Merger Merger Street Address: 901 Main Street, Suite 3100 Do Not USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Signature Signature Total number of pages including cover sheet, information to: Merger	Additional name(s) of conveying party(ies) attached? 🖵 Yes 🖄 No	
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City: Richardson State: TX Zip: 75081 Additional name(s) & address(es) attached? Yes No 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: 03/13/02 A. Patent Application No.(s) Image: David L Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1 Name: David L. McCombs 6. Total number 40.00 Internal Address: Haynes and Boone, LLP Enclosed Authorized to be charged to deposit account Street Address: 901 Main Street, Suite 3100 08-1394 08-1394 City: Dallas State: TX Zip: 75202 Do NOT USE THIS SPACE 9. Statement and signature. Signature 15 Marcu 420-1 Total ender of pages including cover sheet, attachments, and documents 15 Marcu 420-1 Date Signature 15 Marcu 420-1 Date Total execored with requined cover sheet information to: <td></td> <td>Street Address: 1155 Kas Dr., Suite 200</td>		Street Address: 1155 Kas Dr., Suite 200
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Name: David L. McCombs 7. Total fee (37 CFR 3.41)\$40.00 Internal Address: Haynes and Boone, LLP Internal Address: Internal Address: Haynes and Boone, LLP Internal Address: Main Street, Suite 3100 Image: Authorized to be charged to deposit account Street Address: 901 Main Street, Suite 3100 08-1394 City: Dallas State: TX Zip: 75202 Do NOT USE THIS SPACE 9. Statement and signature. (Attach duplicate copy of this page if paying by deposit account) David L. McCombs Image: Signature Image: Signature Image: Signature David L. McCombs Signature Image: Signature Image: Signature Mare of Person Signing Signature Image: Signature Image: Signature Mare of Person Signing Signature Image: Signature Image: Signature Mare of Person Signing Signature Image: Signature Image: Signature	Additional numbers a	attached? 🖵 Yes 🖾 No
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NGERREN1_0000005_10099329 Mail documents to be recorded with required cover sheet information to:	 5. Name and address of party to whom correspondence concerning document should be mailed: Name: David L. McCombs Internal Address: Haynes and Boone, LLP Street Address: 901 Main Street, Suite 3100 City: Dallas State: TX Zip: 75202 DO NOT US 9. Statement and signature. To the best of my knowledge and belief, the foregoing is a true copy of the original document. 	 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ 40.00 8. Deposit account number: 8. Deposit account number: 08-1394 (Attach duplicate copy of this page if paying by deposit account) 8. ETHIS SPACE 9. information is true and correct and any attached copy 1. S Much 1.601
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Commissioner of Patents & Trademarks, Box Assignments	 5. Name and address of party to whom correspondence concerning document should be mailed: Name: David L. McCombs Internal Address: Haynes and Boone, LLP Street Address: 901 Main Street, Suite 3100 City: Dallas State: TX Zip: 75202 DO NOT US 9. Statement and signature. To the best of my knowledge and belief, the foregoing is a true copy of the original document. David L. McCombs Name of Person Signing Total number of pages including corrected by the foregoing content of pages including content of pages including content. 	 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ 40.00 Total fee (37 CFR 3.41)\$ 40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 08-1394 (Attach duplicate copy of this page if paying by deposit account) SE THIS SPACE g information is true and correct and any attached copy Signature Signature Date
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Patent / Docket No. 29668.15 Customer No. 27683

ASSIGNMENT

WHEREAS, we,

(1)	Richard P. Stein	of Prin ceton State of Texas
(2)	Richard D. English	of Princeton State of Texas
(3)	James W. McCoy	of Plano State of Texas

are the inventors of an invention or improvement in

A DEVICE FOR COUPLING RADIO FREQUENCY ENERGY FROM VARIOUS TRANSMISSION LINES USING VARIABLE IMPEDANCE TRANSMISSION LINES

for which we have executed an application for Letters Patent of the United States of America and filed a United States patent application herewith;

WHEREAS, InnerWireless, Inc. (Assignee), a corporation organized and existing under the laws of the State of Delaware, having its principal office and place of business as 1155 Kas Dr., Suite 200, Richardson, Texas 75081, is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, 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 hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

D-998411

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PATENT REEL: 012713 FRAME: 0403

Patent / Docket No. 29668.15 Customer No. 27683

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Full Name of First Inventor: **Residence Address:**

Dated: 15 11

Dated:_

Richard P. Stein 3771 F.M. 546 Ct. Princeton, Texas 75407

Inventor Signature

Witness Signature autwell Witness Name:

Full Name of Second Inventor: **Residence Address:**

Dated: 15 MARCH 2002 Dated: 15 March 2002

Richard D. English 8560 Country Road 392 Princeton, Texas 75407

Inventor Signature

Witness Signature Witness Name:

PATENT REEL: 012713 FRAME: 0404

Patent / Docket No. 29668.15 Customer No. 27683

Full Name of Third Inventor: Residence Address:

Dated: 15 March 2002

Dated: 15 March 2002

James W. McCoy 5109 Coachman Ct. Plano, Texas 75023

Inventor Signature

Witness Signature antwell Witness Name:

D-998411

RECORDED: 03/15/2002

PATENT REEL: 012713 FRAME: 0405