3 PAGES SENT BY FACSIMILE June 22, 2005 TO 703 306 5995

Dowell & Dowell Fax No. 703 415 2559

FORM PTO-1595 (REV.6-93) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

RECORDATION FORM COVER SHEET PATENTS ONLY

Our Docket No.: 14908

1. Name of conveying party(ies) and execution dato: Xantrex Technology Inc. 6/14/05 Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other 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: Title: DUTY CYCLE CONTROLLER FOR HIGH FOWEN FACTOR BATTERY CHARGER A. Patent Application No. (s) 11/008, 266 S. Name and address of party to whom correspondence concerning document should be mailed: Name: Ralph A. Dowell Internal Address: Street Address: Suite 406, 2111 Eisenhower Avenue Alexandria, VA 22314 (703) 415-2555 Name and calloses Gray at Male respect to deposit account number: 04-1577 Annual calloses Gray at Male respect to deposit account number: 04-1577 Annual calloses Gray at Male respect to deposit account number: 04-1577 Annual calloses Gray at Male respect to deposit account number: 04-1577 Annual calloses Gray at Male respect to deposit account number: 04-1577 Annual calloses Gray at Male respect to deposit account number: 04-1577	To the Honorable Commissioner of Fatence and Tracements Please record the attached original documents or copy thereof.	
Maditional name(s) of conveying party(ics) attached? Yes X.No 3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Change of Name Change of Name Change of Name 4. Application number(s) or potent number(s): If this document is being filed together with a new application, the execution date of the application is: Title: DUTY CYCLE CONTROLLER FOR HIGH FOWER FACTOR BATTERY CHARGER A. Patent Application No.(s) 11/008, 266 S. Neme and address of party to whom correspondence concerning document should be mailed: Name: Ralph A. Dowell Internal Address: Street Address: 4. Application number(s) or potent number(s): 5. Neme and address of party to whom correspondence concerning document should be mailed: Name: Ralph A. Dowell Thermal Address: Street Address: 4. Application number(s) attached? Yes X.No 6. Total number of applications and patents involved: 1. Total fee (37CFR 3.41)		
Yes X.Mo 3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Coher 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: Title: DUTY CYCLE CONTROLLER FOR MIGH FOWER FACTOR BATTERY CHARGER A. Patent Application No.(s) 11/008, 266 Additional numbers attached? Yes X No 5. Name and address of party to whom correspondence concerning document should be natised. Name: Ralph A. Dowell Internal Address: Suite 406, 2111 Eisenhower Avenue Alexandria, VA 22314 (703) 415-2555 5. Statement and signature. To the best of my knowledge and holief, the foregoing information is true and correct and any attached copy is a crue copy of the original document. **No** Street Address: Suite No. 3, Stafford HOUSE Step: The Garrison, St. Michael Step: Barbados **Zip: Additional name(s) & address(s) attached? Yes X No 6. Total number of applications and patents involved: 1 7. Total fee (37CFR 3.41)\$ 40.00 Enclosed X Authorized to be charged to deposit account number: 04-1577 (Attach California street of my knowledge and holief, the foregoing information is true and correct and any attached copy is a crue copy of the original document. **Ralph A. Dowell 26,868** **Statement and signature. To the best of my knowledge and holief, the foregoing information is true and correct and any attached copy is a crue copy of the original document. **Ralph A. Dowell 26,868** **Statement and signature. To the best of my knowledge and holief, the foregoing information is true and correct and any attached copy is a crue copy of the original document. **Ralph A. Dowell 26,868** **Jumphore**	1. Name of conveying party(les) and execution date: Xantrex Technology Inc. 6/14/05	Individual Name:
3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Change of Name Other 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: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document application No.(s) If this document is being filed together with a new application, the execution date of the application is: If this document application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this document is being filed together with a new application, the execution date of the application is: If this d		Street Address: Suite No. 3, Stafford
Assignment		city: The Garrison, St. Michael
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: Title: DUTY CYCLE CONTROLLER FOR HIGH FOWER FACTOR EATTERY CHARGER A. Pacent Application No.(s) 11/008,266 Additional numbers attached? Yes X No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Ralph A. Dowell Internal Address: Street Address: Suite 406, 2111 Eisenhower Avenue Alexandria, VA 22314 (703) 415-2555 December 1 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. Ralph A. Dowell 26,868 Page 24 Foregoing information is true and correct and any attached copy is a true copy of the original document. Ralph A. Dowell 26,868	<u></u>	Zip: Additional name(s) & addross(es) attached?
If this document is being filed together with a new application, the execution date of the application to th	Ocher	
A. Pacent Application No.(s) 11/008,266 Additional numbers attached? Yes X No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Ralph A. Dowell Internal Address: Street Address: Suite 406, 2111 Eisenhower Avenue Alexandria, VA 22314 (703) 415-2555 Total number of applications and patents involved: Enclosed X Authorized to be charged to deposit account number: 04-1577 (Account declions copy of this case if paying by deposit account.) P. 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. Ralph A. Dowell 26,868 Sees of recoon signature Ralph A. Dowell 26,868	If this document is being filed together with a new application, the execution date of the application is:	
A. Pacent Application No.(s) 11/008,266 Additional numbers attached? Yes X No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Ralph A. Dowell Internal Address: Street Address: Suite 406, 2111 Eisenhower Avenue Alexandria, VA 22314 (703) 415-2555 Total number of applications and patents involved: Enclosed X Authorized to be charged to deposit account number: 04-1577 (Account declions copy of this case if paying by deposit account.) P. 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. Ralph A. Dowell 26,868 Sees of recoon signature Ralph A. Dowell 26,868	Title: DUTY CYCLE CONTROLLER FOR HIGH POWER FACTOR I	BATTERY CHARGER
11/008,266 Additional numbers attached? S. Name and address of party to whom correspondence concerning document should be mailed: Name: Ralph A. Dowell Internal Address: Street Address: Street Address: Suite 406, 2111 Eisenhower Avenue Alexandria, VA 22314 (703) 415-2555 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. Ralph A. Dowell 26,868 Steps of Person signature Ralph A. Dowell 26,868 Steps of Person signature 10 Total number of applications and patents involved: 11 Total fee (37CFR 3.41)s_40.00 Enclosed X. Authorized to be charged to deposit account number: 04-1577 (Accessed deplicate copy of this case if paying by decomit account) 2 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. Ralph A. Dowell 26,868	11	p. Patent No.(≤)
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Ralph A. Dowell Internal Address: Street Address: Suite 406, 2111 Eisenhower Avenue Alexandria, VA 22314 (703) 415-2555 Do NOT THE STACK 9. 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. Ralph A. Dowell 26,868 Nees of Person suprises 6. Total number of applications and patents involved: 1 7. Total fee (37CFR 3.41)\$ 40.00 Enclosed X Authorized to be charged to deposit account and belief to the foregoing information is true and correct and any attached copy is a true copy of the original document. Ralph A. Dowell 26,868	11/008,266	
Street Address: Suite 406, 2111 Eisenhower Avenue Alexandria, VA 22314 (703) 415-2555 **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. **Ralph A. Dowell 26,868 **Small and Superior Should be involved: 1 **Total fee (37CFR 3.41)s_40.00 Enclosed **X Authorized to be charged to deposit account **8. Deposit account number: 04-1577 **(Account deblicate copy of this page if paying by deposit account) **Provided: 1 **Total fee (37CFR 3.41)s_40.00 **Enclosed* **X Authorized to be charged to deposit account **8. Deposit account number: 04-1577 **(Account deblicate copy of this page if paying by deposit account) **Provided: 1 **Total fee (37CFR 3.41)s_40.00 **Enclosed* **X Authorized to be charged to deposit account **8. Deposit account number: 04-1577 **(Account deblicate copy of this page if paying by deposit account) **Provided: 1 **Total fee (37CFR 3.41)s_40.00 **Enclosed* **X Authorized to be charged to deposit account **8. Deposit account number: 04-1577 **(Account deblicate copy of this page if paying by deposit account) **Provided: 1 **Total fee (37CFR 3.41)s_40.00 **Enclosed* **X Authorized to be charged to deposit account **8. Deposit account number: 04-1577 **(Account deblicate copy of this page if paying by deposit account) **Provided: 1 **Total fee (37CFR 3.41)s_40.00 **Enclosed* **Enclosed* **Superior deblicate copy of this page if paying by deposit account) **Provided: 1 **Total fee (37CFR 3.41)s_40.00 **Enclosed* **Enclosed* **Enclosed* **Superior deblicate copy of this page if paying by deposit account) **Provided: 1 **Total fee (37CFR 3.41)s_40.00 **Enclosed* **E	Additional numbers attached?Yes X_No	
Street Address: Suite 406, 2111 Eisenhower Avenue Alexandria, VA 22314 (703) 415-2555 Statement and signature. To the best of my knowledge and bolief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Ralph A. Dowell 26,868 See of Ferson signature 7. Total fee (37CFR 3.41)	correspondence concerning document should be mailed:	_
Street Address: Suite 406, 2111 Eisenhower Avenue Alexandria, VA 22314 (703) 415-2555 Be not the first state of the charged to deposit account number: 04-1577 (Accord dublious copy of this page is paying by decosit account) 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a crue copy of the original document. Ralph A. Dowell 26,868 Statement address: Suite 406, X Authorized to be charged to deposit account 8. Deposit account number: 04-1577 (Accord dublious copy of this page is paying by decosit account) 8. Deposit account number: 04-2570 (Accord dublious copy of this page is paying by decosit account) 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a crue copy of the original document. Ralph A. Dowell 26,868 State of Fercon signature 3. Signature 3. Deposit account number: 04-1577 (Accord dublious copy of this page is paying by decosit account)		7. Total fee (37CFR 3.41)s <u>40.00</u>
Alexandria, VA 22314 (703) 415-2555 8. Deposit account number: 04-1577 (Account devolves copy of this page if paying by deposit account) 9. 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. Ralph A. Dowell 26,868 State of Foregon Signature 3. Deposit account number: 04-1577 (Account devolves copy of this page if paying by deposit account) 8. Deposit account number: 04-1577 (Account devolves copy of this page if paying by deposit account) 9. 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. 8. Deposit account number: 04-1577 (Account devolves copy of this page if paying by deposit account) 9. 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. 8. Deposit account number: 04-1577 (Account devolves copy of this page if paying by deposit account)		
(703) 415-2555 8. Deposit account Manual. (Account dublicate copy of this page is paying by deposit account) 9. 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. Ralph A. Dowell 26,868 Statement and signature. 6/22/05 Bace Signature 3.	ZIII Eisennower Avenue	
(Accept dublionts copy of this page is paying by decount) 10 EVY the First SPACE 9. 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. Ralph A. Dowell 26,868 State of Foregon Signature 2. Statement and signature 6/22/05 Bace 2. Statement and signature 6/22/05 Bace	Alexandria, VA 22314 7702) 415-2555	8. Deposit account number: 04-1577
9. 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. Ralph A. Dowell 26,868 Same of Person signature 3.	(/05) 410-617	
9. 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. Ralph A. Dowell 26,868 Same of Person signature 3.		
To the best of my knowledge and belief, the relegoing distinction of the copy is a true copy of the original document. Ralph A. Dowell 26,868 Same of Person Signature 3	DO NOT CAR THEN SPACE	
Raiph A. Dowell 20,000 State of Person signature 2 spectage 3	To the heat of my knowledge and belief, one foregoing Thingman of the art of the contract of t	
1		6/22/05 Dace

Mail documents to be recorded with required cover sheet information to: Commission of Patent & Tradomerks, Box Assignments Washington, D.C. 20231

> PATENT REEL: 016384 FRAME: 0670

ASSIGNMENT

WHEREAS XANTREX TECHNOLOGY INC.

of 8999 Nelson Way

Burnaby, British Columbia

Canada V5A 4B5

hereinafter referred to as "Assignor", has acquired all right, title and interest in certain new and useful improvements as described and set forth in application number 11/008,266 for Letters Patent in the United States of America, filed December 10, 2004.

Title of Invention: DUTY CYCLE CONTROLLER FOR HIGH POWER FACTOR

BATTERY CHARGER

WHEREAS XANTREX INTERNATIONAL

of Suite No. 3, Stafford House

The Garrison, St. Michael

Barbados

hereinafter referred to as "ASSIGNEE", is desirous of acquiring an interest in the said invention and application and in any Letters Patents which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt and sufficiency of which are hereby acknowledged by Assignor, Assignor has sold, assigned and transferred, and hereby does sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, the application aforesaid and all International Convention priority rights therewith, and in and to any Letters Patent which may hereafter be granted on the same in the United States of America and all countries throughout the world, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof. Assignor represents and warrants that it has not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignor further agrees that it will, without charge to the said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments

PATENT of 2

REEL: 016384 FRAME: 0671

of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patents for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

SIGNED AT BURNABY (City or Town)
this 14 day of JUNE, 05.

XANTREX TECHNOLOGY INC.

(Assignor)

Witness's Signature

Witness's Address

REEL: 016384 FRAME: 0672

RECORDED: 06/22/2005