### PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	LICENSE

### **CONVEYING PARTY DATA**

Name	Execution Date
Tantivy Communications, Inc.	08/22/2002

### RECEIVING PARTY DATA

Name:	IPR HOLDINGS DELAWARE, INC.
Street Address:	300 Delaware Avenue
Internal Address:	Suite 300
City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19081

### PROPERTY NUMBERS Total: 84

388999 236647 222832 151332 081536
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Application Number:	09384072
Application Number:	09388000
Application Number:	09400136
Application Number:	09447022
Application Number:	09467353
Application Number:	09482241
Application Number:	09565095
Application Number:	09574622
Application Number:	09594112
Application Number:	09626784
Application Number:	09630024
Application Number:	09691874
Application Number:	09728575
Application Number:	09738934
Application Number:	09766875
Application Number:	09771929
Application Number:	09772200
Application Number:	09773252
Application Number:	09773253
Application Number:	09773255
Application Number:	09773364
Application Number:	09774545
Application Number:	09775304
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Application Number:	09777555
Application Number:	09777557
Application Number:	09778474
Application Number:	09778478
Application Number:	09792410
Application Number:	09792637
Application Number:	09792870
Application Number:	09802128
Application Number:	09820204
Application Number:	09823288
Application Number:	09826060
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Application Number:	09845240
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Application Number:	09847056
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Application Number:	09850531
Application Number:	09871154
Application Number:	09876843
Application Number:	09898514
Application Number:	10119522
Application Number:	10137116
Application Number:	10166576
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Application Number:	60116292
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Application Number:	60184223
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Application Number:	60219789
Application Number:	60221751
Application Number:	60269024
Application Number:	60282936
Application Number:	60288927
Application Number:	60297839
Application Number:	60306062
Application Number:	60346511
Application Number:	60346525
Application Number:	60346527
Application Number:	60350569
Application Number:	60350835
	PATENT

**REEL: 028349 FRAME: 0389** 

**Fax Number**: (215)568-6499 **Phone**: 215-568-6400

Email: dcasalvera@vklaw.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Volpe and Koenig, P.C. Address Line 1: 30 South 17th Street

Address Line 4: Philadelphia, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER: I/3B

NAME OF SUBMITTER: Robert D. Leonard

#### Total Attachments: 6

source=AssignmentRecordationForm\_TantivyCommunications\_to\_IPR\_HoldingsDelawareINC#page1.tif source=AssignmentRecordationForm\_TantivyCommunications\_to\_IPR\_HoldingsDelawareINC#page2.tif source=AssignmentRecordationForm\_TantivyCommunications\_to\_IPR\_HoldingsDelawareINC#page3.tif source=AssignmentRecordationForm\_TantivyCommunications\_to\_IPR\_HoldingsDelawareINC#page4.tif source=AssignmentRecordationForm\_TantivyCommunications\_to\_IPR\_HoldingsDelawareINC#page5.tif source=AssignmentRecordationForm\_TantivyCommunications\_to\_IPR\_HoldingsDelawareINC#page6.tif

Attny. Docket No. Form **PTO-1595** (Rev. 03-09) OMB No. 0651-0027 (exp. 03/31/2009)

U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

RECORDATION FO	
	S ONLY
	e record the attached documents or the new address(es) below.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
Tantivy Communications, Inc.	Name: IPR HOLDINGS DELAWARE, INC.
	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No	Street Address: 300 Delaware Avenue, Suite 300
3. Nature of conveyance/Execution Date(s):	Street Address. 500 Delaware / Vende, Galle Goo
Execution Date(s)	
Assignment Merger	City: WILMINGTON
Security Agreement Change of Name	Oity
Joint Research Agreement	State: DELAWARE
Government Interest Assignment	Country: USA Zip: 19081
Executive Order 9424, Confirmatory License	Country. 21p. 12ee
Other License	Additional name(s) & address(es) attached? Yes X No
4. Application or patent number(s):	document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent No.(s)
See attached Exhibit A	See attached Exhibit A
Additional numbers at	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 84
Name: Robert D. Leonard	
	<b>7. Total fee</b> (37 CFR 1.21(h) & 3.41) \$\ \begin{align*} 3,360.00 \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Internal Address: Volpe and Koenig, P.C.	
	Authorized to be charged to deposit account
Street Address: UNITED PLAZA	Enclosed
30 SOUTH 17TH STREET	None required (government interest not affecting title)
City: PHILADELPHIA	8. Payment Information
State: PA Zip: 19103-4009	
Phone Number: 215-568-6400	Deposit Account Number 09-0435
Fax Number: 215-568-6499	•
Email Address: mail@volpe-koenig.com	Authorized User Name_Robert D. Leonard
9. Signature:	June 8, 2012
Signature	Date
Robert D. Leonard  Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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PO Box 1709

# UCC FINANCING STATEMENT AMENDMENT

FOLLOW INSTRUCTIONS (front and back) CAREFULLY

A. NAME & PHONE OF CONTACT AT FILER (optional)

B. SEND ACKNOWLEDGEMENT TO: (Name and Address)

Pepper Hamilton LLP

Suite 1600

1201 Market Street

DELAWARE DEPARTMENT OF STATE
U.C.C. FILING SECTION
FILED 04:29 PM 09/02/2003
INITIAL FILING NUM: 2213020 5
AMENDMENT NUMBER: 3226621 4
SRV: 030566610

Wil	mington, DE 19899-170	9						
				THE	ABOVE SPACE	E IS FOR	FILING OFFICE ONLY	
					1b. This FINA	NCING S	TATEMENT AMENDM ord) (or recorded) in the	ENT
la. IN	ITIAL FINANCING STATEMENT FILE	#22130205 dated	August	22, 2002	☐ REAL ES	TATERE	CORDS	
2. X	XX TERMINATION: Effective	ness of the Financing Statement i	identified above	is terminated with respect to secu	rity interest(s) of th	ne Secured	Party authorizing this Termi	nation Statement
3. 🔲	CONTINUATION: Effectiveness of the Finan period provided by applicable law.	cing Statement identified above	with respect to s	ecurity interest(s) of the Secured	Party authorizing th	his Continu	ation Statement is continued	TO the address.
4 (1	ASSIGNMENT (full or partial): Give name of	assignee in item 7a or 7b and ad	ldress of assigne	e in item 7c; and also give name o	of assignor in item	9.		
4. 1	IBNDMENT (PARTY INFORMATION): Thi	s Amendment affects Debtor	OF Secured P	arty of record. Check only one o	f thee two boxes.			
D, AN	iso check one of the following three boxes and	provide appropriate information	in items 6 and/or	r 7.		<b>—</b>	70	on 7h, and also
ב ב	CHANGE name and/or address: Give curren name (if name change) in item 7a or 7b and/o	record name in item 6a or 6b; a	iso give new	DELETE name. G to be deleted in ite	ive record name m 6a or 6b.	iten	D same: Corporate item 7a a 7c; also complete items 7d	-7g (if applicable)
6. CUI	RENT RECORD INFORMATION:							
	6a. ORGANIZATION'S NAME							
OR	66. INDIVIDUAL'S LAST NAME			PROPERTY AND		MIDDLE	NAME	SUFFIX
				FIRST NAME				
7. CH	ANGED (NEW) OR ADDED INFORMATIO	N						
	7a. ORGANIZATION'S NAME							
OR	7b. INDIVIDUAL'S LAST NAME			FIRST NAME		MIDDLE	NAME	SUFFIX
		·		CITY		STATE	POSTAL CODE	COUNTRY
7c. M	AILING ADDRESS							
7d. T.	AX ID#: SSN OR EIN	ADD'L INFO RE ORGANIZATION DEBTOR	7e. JURISDI	CTION OF ORGANIZATION		7g, ORG	ANIZATIONAL ID#, if an	NONE
2 43	MENDMENT (COLLATERAL CHANGE): ch		<u> </u>					
u. An	escribe collateral  released or added, or p	give entire [] restated collateral	description, or d	escribe collateral 🔲 assigned.				
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9, N/	AME of SECURED PARTY of RECORD AUT	HORIZING THIS AMENDMEN	NT (name of assume of DEBTOR	ignor, if this is an Assignment). It authorizing this Amendment.	lf this is an Amendi	ment author	ized by a Debtor which add	s collateral or adds the
auuio	9a. ORGANIZATION'S NAME							
OR	IPR HOLDINGS DEL	AWARE, INC.						
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	PHONAL FILER REFERENCE DATA							···
10	5700.114 Filed: Secre	tary of State of D	<b>D</b> elaware	Deb	tor: Tan	tivy C	ommunication	is, Inc.

FILING OFFICE COPY - NATIONAL UCC FINANCING STATEMENT AMENDMENT (FORM UCC3) REV. 07/29/98)

DELAWARE DEPARTMENT OF STATE  U.C.C. FILLING SECTION FILED 01:49 PM 09/22/2002 5 AMENICATION FILED 01:49 PM 09/22/2002 5 AMENI						
U.C.C. FILING SECTION FILED 14 PPM 08/22/2002 INITIAL FILING NUM: 2213/200 NAME A PHONE OF CONTACT AT FILER (priprioral)  CSC Corporation Service Company** P.O. Box 591 Wilmington, DE 19899 (800) 927-9800  THE ABOVE 6PACE IS FOR FILING OFFICE USE ONLY  THE ABO						
PILLED 01.49 PM 06/22/2002 AMERICAN DISTRICT PLILE ON OR 2/22/002 AMERICAN DISTRICT PLILE ON OR 2/22/002 AMERICAN DISTRICT PLILED ON OR 2/22/002 BUSINESS DISTRICT PLI				DELAWA	RE DEPARTMEN	T OF STATE
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CSC Corporation Service Company**  P.O. Box 591  Wilmington, DE 19899 (800) 927-9800    CSC Corporation Service Company** P.O. Box 591  Wilmington, DE 19899 (800) 927-9800    THE ABOVE SPACE IS FOR FILING OFFICE USE ONLY    DEBTOR'S EXACT FULL LEGAL NAME - New cody and debtor name (is or to), do not abbreviate or combine names   TRATITY COMMUNICATIONS, INC.   PRET NAME   MIDDLE NAME   POSTAL CODE   COUNTRY	TO ST	CATEMENT		INITIAL	FILING NUM:	2213020 5
CSC Corporation Service Company P.O. Box 591 Wilmington, DE 19899 (800) 927-9800    Company Co	CC FINANCING ST	ent and back) CAREFULLY		AMENDME		
CSC Corporation Service Company on P.O. Box 591 Wilmington, DE 19899 (800) 927-9800    THE ABOVE SPACE IS FOR FILING OFFICE USE ONLY	NAME & PHONE OF CONT.	ACT AT FILER [optional]				
Wilmington, DE 19899 (800) 927-9800    DETOR'S EARCT FULL LEGAL NAME - Invest only goal debtor name (is or 16) - do not abbreviate or combine names   TANTITY COMMUNICATIONS, INC.   FIRST NAME   MIDDLE NAME   GUPFIX   TAMBLING ADDRESS   STATE   FOSTAL GODE   GOUNTRY	-	Candica Company sm		•		
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DEBTOR'S EXACT FULL LEGAL NAME - Insert only one debtor name (is or 16) - do not abbreviate or combine names   Tantivy Communications, Inc.   First name	00)	.0, 0=		•		•
DEBTOR'S EXACT FULL LEGAL NAME - Insert only one debtor name (is or 16) - do not abbreviate or combine names   Tantivy Communications, Inc.   First name		_				ONLY
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10. TAX ID STATE  293430673  ORGANIZATION DESTOR  2. ADDITIONAL DESTOR'S EXACT FULL LEGAL NAME - insert only one debtor name (2s or 2b) - do not abbreviate or combine names  2. ADDITIONAL DESTOR'S EXACT FULL LEGAL NAME - insert only one debtor name (2s or 2b) - do not abbreviate or combine names  20. TAX ID STATE  20. MAILING ADDRESS  20. TAX ID STATE  POSTAL CODE  COUNTRY  21. TAX ID STATE  POSTAL CODE  COUNTRY  3. SECURED PARTY'S NAME (or NAME of TOTAL ASSIGNES of ASSIGNOR SIP) - insert only one secured party name (3s or 3b)  3. SECURED PARTY'S NAME  IPR HOLDINGS DELAWARE, INC.  OR 36. INDIVIOUAL'S LAST NAME  TOTAL ASSIGNES OF ASSIGNOR SIP) - insert only one secured party name (3s or 3b)  3. INDIVIOUAL'S LAST NAME  TOTAL ASSIGNES OF ASSIGNOR SIP) - insert only one secured party name (3s or 3b)  3. INDIVIOUAL'S LAST NAME  TOTAL ASSIGNOR SIP) - insert only one secured party name (3s or 3b)  3. INDIVIOUAL'S LAST NAME  TOTAL ASSIGNOR SIP) - insert only one secured party name (3s or 3b)  3. INDIVIOUAL'S LAST NAME  TOTAL CODE  COUNTRY  WILMINGTON  DE 19081  USA  1. This statement is being filed for informational purposes only with respect to a licensing arrangement. This statement is not being filed in connection with the grant of any security interest in or any sale or assignment or any agreement to sell or assign of any of Tantivy's rights in and to the Patent Families listed	1450 SOUTH BABCUL	CK STREET	11. JURISDICTION OF ORGANIZATION	1 "		TINONE
26. INDIVIDUAL'S LAST NAME  26. INDIVIDUAL'S LAST NAME  27. MAILING ADDRESS  28. TYPE OF ORGANIZATION  27. JURISDICTION OF ORGANIZATION  29. ORGANIZATION OF ORGANIZATION  30. SECURED PARTY'S NAME (or NAME of TOTAL ASSIGNEE of ASSIGNOR SEP) - Insert only one secured party name (3s or 3ts)  30. ORGANIZATION'S NAME  10. IFIRST NAME  11. INDIVIDUAL'S LAST NAME  20. MAILING ADDRESS  20. MAILING ADDRESS  20. MAILING ADDRESS  20. MAILING ADDRESS  20. MAILING STATEMENT covers the following collateral:  11. This FINANCING STATEMENT covers the following collateral:  12. This statement is being filed for informational purposes only with respect to a licensing arrangement. This statement is not being filed in connection with the grant of any security interest in or any sale or assignment or any agreement to sell or assign of any of Tantivy's rights in and to the Patent Families listed			DELAWARE			
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28. TYPE OF ORGANIZATION ORBITORS AND CONTRACTOR ORGANIZATION OF TOTAL ASSIGNED OF ASSIGNOR SIP) - Insert only one secured party name (3a or 3b)  3. SECURED PARTY'S NAME (or NAME of TOTAL ASSIGNED of ASSIGNOR SIP) - Insert only one secured party name (3a or 3b)  3a. ORGANIZATION'S NAME  IPR HOLDINGS DELAWARE, INC.  3b. INDMODULE NAME  OR 3b. INDMODULE NAME  OTY  SO, MAILING ADDRESS  SUITE 527, 300 DELAWARE AVE.  4. This FINANCING STATEMENT covers the following collateral:  This statement is being filed for informational purposes only with respect to a licensing arrangement. This statement is not being filed in connection with the grant of any security interest in or any sale or assignment or any agreement to sell or assign of any of Tantivy's rights in and to the Patent Families listed				ļ	CONTRACTOR OF THE	<u> </u>
36. ORGANZANA ARE, INC.  IPR HOLDINGS DELAWARE, INC.  36. INDIVIOUAL'S LAST NAME  36. MAILING ADDRESS  SUITE 527, 300 DELAWARE AVE.  4. This Financing statement covers the following collateral:  This statement is being filed for informational purposes only with respect to a licensing arrangement. This statement is not being filed in connection with the grant of any security interest in or any sale or assignment or any agreement to sell or assign of any of Tantivy's rights in and to the Patent Families listed	20. MAILING ADDRESS	•	TO SECULIATION	2d, ORC	SAMPA! IOMAP ID 41 ii m.	'Y
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OR SO, INDIVIOUAL'S LAST NAME  30, MAILING ADDRESS  SUITE 527, 300 DELAWARE AVE.  4. This Financing statement covers the following collateral!  This statement is being filed for informational purposes only with respect to a licensing arrangement. This statement is not being filed in connection with the grant of any security interest in or any sale or assignment or any agreement to sell or assign of any of Tantivy's rights in and to the Patent Families listed	2d. TAX ID # SSN OR EIN	ORGANIZATION ORBITOR  NAME (or NAME of TOTAL ASSIGNEE of ASSIGN		i	SANIZATIONAL ID 41 II O	
30. MAILING ADDRESS  SUITE 527, 300 DELAWARE AVE.  WILMINGTON  DE 19081  USA  4. This Financing statement covers the knowing collateral:  This statement is being filed for informational purposes only with respect to a licensing arrangement. This statement is not being filed in connection with the grant of any security interest in or any sale or assignment or any agreement to sell or assign of any of Tantivy's rights in and to the Patent Families listed	2d. TAX ID #: 8SN OR EIN  3. SECURED PARTY'S	ORGANIZATION ORBITOR  S NAME (or NAME of TOTAL ASSIGNEE of ASSIGN		3b)		NONE
SUITE 527, 300 DELAWARE AVE.  WILMINGTON  DE 19081  COA  4. This Financing statement covers the knowing collateral.  This statement is being filed for informational purposes only with respect to a licensing arrangement. This statement is not being filed in connection with the grant of any security interest in or any sale or assignment or any agreement to sell or assign of any of Tantivy's rights in and to the Patent Families listed grant of any security interest in or any sale or assignment or any agreement to sell or assign of any of Tantivy's rights in and to the Patent Families listed	2d. TAX ID # 85N OR EIN  3. SECURED PARTY'S  36. ORGANIZATION'S N  DR HOLDINGS	ORGANIZATION ORGANIZATION S NAME (or NAME of TOTAL ASSIGNEE OF ASSIGN IAME DELAWARE, INC.	CR SIP) - Insert only <u>one</u> secured party name (3s or	3b)		SUPPEX
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### **EXHIBIT "A"**

Tantivy Communications, Inc. has granted IPR Holdings Delaware, pursuant to a license agreement, a perpetual, exclusive worldwide license under the following Patent Families (including, without limitation, and all patents derived from patent applications associated with such Patent Families, including current and future filed continuations, continuations-in-part, divisionals, reissues, reexaminations, and corresponding foreign filed cases):

2G and 3G (with Tantivy Communications Inc having retained rights as to I-CDMA™ products with I-CDMA functionality):

6,388,999 6,236,647 6,222,832 6,151,332 6,081,536

2G and 3G (with Tantivy Communications Inc having retained rights as to I-CDMA as to I-CDMA products with I-CDMA functionality and Remaining 3G functionality):

CDMA products 6,212,220 6,301,291 6,421,336 09/158,421 09/263,358 09/288,229 09/301,483 09/301,484 09/328,663 09/384,072 09/388,000 09/400,136 09/447,022 09/467,353

09/482,241

09/565,095 09/574,622

09/594,112

09/626,784

09/630,024

09/691,874

09/728,575

09/738,934

09/766,875

09/771,929 09/772,200

09/773.252

09/773,253

09/773,255

09/773,364

09/774,545

09/775,304

09/775,305

09/777,555

09/777,557

09/778,474

09/778,478

09/792,410

09/792,637

09/792,870

09/802,128

09/820,204

09/823,288

09/826,060

09/841,695

09/845,240

09/845,241

09/847,056

09/847,859

09/847,860

09/847,865

09/850,531

09/871,154

09/876,843

09/898,514

10/119,522

10/137,116

10/166,576

10/170,015

10/196,569

60/116,292

60/180,598

60/180,925

60/181,071

60/184,223

60/184,364

60/184,365

60/219,789

60/221,751

60/269,024

60/282,936 60/288,927 60/297,839 60/306,062 60/346,511 60/346,525 60/346,527 60/350,569 60/350,835

"Limited 3G Functionality" means standards for wireless telephony systems designed to deliver enhanced communications services included as of the Effective Date under the Third Generation Partnership Projects (3GPP1 (but excluding FDD) and 3GPP2), or under standards adopted by ARIB, ETSI, TTA, TIA, and CWTS, including amendments to these specific interface standards but excluding any additional standards that may be added by these standards setting bodies in the future.

"Remaining 3G" means the 3G standards not covered under the definition of Limited 3G Functionality.

"2G" means telecommunications standards adopted by ETSI, TIA, ARIB and other recognized standard setting bodies describing the current generation of digital wireless voice and data communications, including without limitation GSM, GPRS, EDGE, IS-54/136, PDC, PHS, DECT, and TETRA, including amendments and enhancements thereto.

"3G" means standards for wireless telephony systems designed to deliver enhanced communications services. Examples of current Third Generation Standards under development, or related standardization efforts, are the International Telecommunications Union - Radio efforts under the label IMT-2000, the specifications being developed under the Third Generation Partnership Projects (3GPP and 3GPP2), and comparable or related standards adopted by ARIB, ETSI, TTA, TIA, T1P1, CWTS, as well as other recognized standards development organizations. Third Generation Standards shall also include any *de fact*o standards arising from specifications promulgated by major telecommunications operators where such specifications are directed at wireless communication systems comparable to those standards adopted, or under development, by the above-mentioned standard setting bodies.

PATENT REEL: 028349 FRAME: 0396

RECORDED: 06/08/2012