## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: CHANGE OF NAME

### **CONVEYING PARTY DATA**

Name	Execution Date
Airvana Corp.	05/02/2011

## RECEIVING PARTY DATA

Name:	Airvana LLC
Street Address:	19 Alpha Road
City:	Chelmsford
State/Country:	MASSACHUSETTS
Postal Code:	01824

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13074813

# **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: apsi@fr.com

Correspondent Name: Paul A. Pysher

Address Line 1: Fish & Richardson, P.C.

Address Line 2: P.O. Box 1022

Address Line 4: Minneapolis, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 28586-0077002

NAME OF SUBMITTER: Jennifer Franco

Total Attachments: 11

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PATENT REEL: 029068 FRAME: 0335 10,00 1307481

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# Delaware

# The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "AIRVANA CORP." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "AIRVANA CORP. " TO "AIRVANA LLC", FILED IN THIS OFFICE ON THE SECOND DAY OF MAY, A.D. 2011, AT 4:51 O'CLOCK P.M.

4794489 8100V

DATE: 05-02-11

AUTHENTICATION: 8732817

**PATENT** REEL: 029068 FRAME: 0337

Jeffrey W. Bullock, Secretary of State

110481649

You may verify this certificate online at corp.delaware.gov/authver.shtml



PAGE 2

# The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF

DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND

CORRECT COPY OF CERTIFICATE OF FORMATION OF "AIRVANA LLC" FILED

IN THIS OFFICE ON THE SECOND DAY OF MAY, A.D. 2011, AT 4:51

O'CLOCK P.M.

4794489 8100V

110481649

DATE: 05-02-11

AUTHENTICATION: 8732817

PATENT REEL: 029068 FRAME: 0338

Jeffrey W. Bullock, Secretary of State

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware Secretary of State Division of Corporations Delivered 04:51 PM 05/02/2011 FILED 04:51 PM 05/02/2011 SRV 110481649 - 4794489 FILE

# STATE OF DELAWARE CERTIFICATE OF CONVERSION OF

## AIRVANA CORP.

# FROM A CORPORATION TO A LIMITED LIABILITY COMPANY PURSUANT TO SECTION 18-214 OF THE LIMITED LIABILITY ACT

# May 2, 2011

- 1. The jurisdiction where the Company first formed is Delaware.
- 2. The jurisdiction immediately prior to filing this Certificate is Delaware.
- 3. The Corporation filed its original Certificate of Incorporation with the Secretary of State of the State of Delaware and was incorporated in the State of Delaware on March 2, 2010
- 4. The name of the Corporation immediately prior to filing this Certificate is "Airvana Corp."
- 5. The name of the limited liability company into which the Corporation is to be converted as set forth in its Certificate of Formation is "Airvana LLC".

[Signature page follows]

001502-0004-13498-Active: 12200358

**IN WITNESS WHEREOF**, the undersigned has executed this Certificate of Conversion to Limited Liability Company as of the date first written above.

AIRVANA CORP.

By:

Name: Randall Battat

Title: President

State of Delaware Secretary of State Division of Corporations Delivered 04:51 PM 05/02/2011 FILED 04:51 PM 05/02/2011 SRV 110481649 - 4794489 FILE

# CERTIFICATE OF FORMATION

OF

# AIRVANA LLC

# Dated as of May 2, 2011

This Certificate of Formation for Airvana LLC is being duly executed and filed by the undersigned, as an authorized person, to form a limited liability company under the Delaware Limited Liability Company Act (6 Del. C. §§18-101, et seq.).

- 1. The name of the limited liability company formed hereby is Airvana LLC (the "Company").
- 2. The address of the registered office of the Company in the State of Delaware is c/o The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, Delaware 19801. The name and address of the registered agent of the Company is The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, Delaware 19801.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation of Airvana LLC as of the date first written above.

Name: Joshua Pollick Title: Authorized Person

Spallick

001502-0004-13498-Active,12200378

# SCHEDULE A

# PATENTS AND PATENT APPLICATIONS

ATTORNEY DOCKET NUMBER	U.S. APPLICATION NUMBER	TITLE	FILING DATE
28586-0044PO1	60/824,877	RL Interference	9/7/2006
20000 001.1201		Controls	37.772000
28586-0044WO1	PCT/US2007/077725	RL Interference	9/6/2007
		Controls	
28586-0045001	11/640,501	Provisioning Private	12/15/2006
	,	Access Points for	
		Wireless	
		Networking	
28586-0045WO1	PCT/US2007/077722	Provisioning Private	9/6/2007
		Access Points for	
		Wireless	
		Networking	
28586-0046002	13/323,305	Configuring	12/12/2011
		Preferred User Zone	
		Lists for Private	
		Access Points for	
		Wireless	
		Networking	
28586-0046WO1	PCT/US2007/077755	Configuring	9/6/2007
		Preferred User Zone	
		Lists for Private	
		Access Points for	
		Wireless	
		Networking	
28586-0047001	11/642,245	Communication	12/20/2006
		Group	
		Configuration in a	
		Network	
28586-0047WO1	PCT/US2007/087865	Communication	12/18/2007
		Group	
		Configuration in a	
		Network	
28586-0048001	11/617,298	Assigning Code	12/28/2006
		Space to Portable	
20506.004011104	DOTHI ICO OCTION COLLEGE	Base Stations	10/10/0007
28586-0048WO1	PCT/US2007/088112	Assigning Code	12/19/2007
		Space to Portable	
20506.0052001	11/725 107	Base Stations	4/12/2007
28586-0053001	11/735,107	Activating Private	4/13/2007
		Access Points for	

		Wireless	
28586-0054001	11/735,073	Networking Controlling Access to Private Access	4/13/2007
		Points for Wireless Networking	
28586-0054WO1	PCT/US2008/060030	Controlling Access to Private Access Points for Wireless Networking	4/11/2008
28586-0055001	11/967,370	Network Address Translation For Tunnel Mobility	12/31/2007
28586-0056001	11/833,740	Distributed Network	8/3/2007
28586-0057001	11/968,090	Adaptation of Portable Base Stations Into Cellular Networks	12/31/2007
28586-0057002	13/073,512	Adaptation of Portable Base Stations Into Cellular Networks	3/28/2011
28586-0057WO1	PCT/US2008/087659	Adaptation of Portable Base Stations Into Cellular Networks	12/19/2008
28586-0058001	11/962,983	Allocating Code Space to Base Stations	12/21/2007
28586-0059001	11/966,516	Inter-Technology Bridging Over Access Points	12/28/2007
28586-0060001	11/903,742	Selecting Embedded Cells in Wireless Networks	9/24/2007
28586-0061WO1	PCT/US2008/078527	Wireless Control Of Access Points	10/2/2008
28586-0062001	11/958,975	Absolute Time Recovery	12/18/2007
28586-0063001	11/960,026	Proximity Detection In A Network	12/19/2007
28586-0064002	13/293,781	Secure Mobile Base Station Connections	11/10/2011
28586-0065001	11/962,734	Providing Zone Indications For Wireless	12/21/2007

		Networking	
28586-0067001	11/958,934	Attracting Access Terminals	12/18/2007
28586-0068001	11/968,088	IMS Security For Femtocells	12/31/2007
28586-0069001	11/963,574	Adjusting Wireless Signal Transmission Power	12/21/2007
28586-0069WO1	PCT/US2008/087405	Adjusting Wireless Signal Transmission Power	12/18/2008
28586-0072001	11/966,535	Secure Proxies For Flat Networks	12/28/2007
28586-0072WO1	PCT/US2008/087416	Secure Proxies For Flat Networks	12/18/2008
28586-0073WO1	PCT/US2008/087086	Interference Mitigation In Wireless Networks	12/17/2008
28586-0074001	12/236,420	Access Terminal Authorization At Private Access Points In Wireless Networks	9/23/2008
28586-0074WO1	PCT/US2009/057904	Access Terminal Authorization At Private Access Points In Wireless Networks	9/22/2009
28586-0075001	12/201,380	Private Access Point Beacon Signals In Wireless Networks	8/29/2008
28586-0075WO1	PCT/US2009/055336	Private Access Point Beacon Signals In Wireless Networks	8/28/2009
28586-0076US1	11/572,973	Signal Transmission from a Local Network Node	1/30/2007
28586-0076WO1	PCT/GB2005/003028	Signal Transmission from a Local Network Node	8/1/2005
28586-0077002	13/074,813	Method And System Of Setting Transmitter Power Levels	3/29/2011
28586-0077US1	11/572,977	Power Control in a Local Network	1/30/2007

		Node (LNN)	
28586-0077WO1	PCT/GB2005/003034	Power Control in a Local network Node (Lln)	8/1/2005
28586-0078US1	11/572,979	A Local Network Node	1/30/2007
28586-0078WO1	PCT/GB2005/003007	A Local Network Node	8/1/2005
28586-0081001	12/246,861	Allocating Communication Frequencies To Clusters Of Access Points	10/7/2008
28586-0082001	12/343,850	Obtaining Time Information In A Cellular Network	12/24/2008
28586-084001	12/345,472	Providing A Cellular Network With Connectivity To A Different Network	12/29/2008
28586-0085001	12/347,574	Personal Access Point Media Server	12/31/2008
28586-0086001	12/343,438	Access Terminal Hand-off Methods in Wireless Networks	12/23/2008
28586-0087001	12/347,511	Geography Aware Peer-to-Peer Overlay Creation	12/31/2008
28586-0088002	13/300,242	Information Sharing In a Private Access Point Network	11/18/2011
28586-0089001	12/346,272	Power Control for Reverse Link	12/30/2008
28586-0090002	13/205,267	Estimating Bandwidth In Communication Networks	8/8/2011
28586-0091001	12/347,201	Femto Personal Proxy Application Client	12/31/2008
28586-0091WO1	PCT/US2009/069734	Femto Personal Proxy Application Client	12/29/2009

28586-0092001	12/347,234	Femto Personal	12/31/2008
		Policy Server	
28586-0092WO1	PCT/US2009/069737	Femto Personal	12/29/2009
		Policy Server	
28586-0094001	12/467,913	Multi-carrier	5/18/2009
		System Selection	
28586-0094WO1	PCT/US2010/035150	Multi-carrier	5/17/2010
		System Selection	
28586-0095001	12/405,641	Identifying Hand-	3/17/2009
		Over Targets	
28586-0096001	12/797,138	Mobility In A	6/9/2010
		Wireless Enterprise	
		Network	
28586-0096P01	61/185,757	Mobility In A	6/10/2009
	· ·	Wireless Enterprise	
		Network	
28586-0100001	12/575,113	Mitigating	10/7/2009
		Interference Using	
		Cooperative	
		Scheduling	
28586-0101P01	61/246,414	Local-to-Macro	9/28/2009
		Network Hand-Out	
28586-0102001	12/627,285	Determining If An	11/30/2009
		Access Terminal Is	
		Authorized To Use	
		An Access Point	
28586-0103P01	61/653,458	Providing Circuit	5/31/2012
		Switched Service	

ATTORNEY	U.S. PATENT	TITLE	FILING DATE
DOCKET NUMBER	NUMBER	C . 11' D	10/15/2006
28586-0044001	8,160,629	Controlling Reverse	12/15/2006
		Link Interference in	
		Private Access Points	
		for Wireless	
20506 0046001	0.070.165	Networking	12/15/2006
28586-0046001	8,078,165	Configuring Preferred	12/15/2006
		User Zone Lists for	
		Private Access Points	
		for Wireless	
2050( 0040001	0.176.227	Networking	12/27/2007
28586-0049001	8,176,327	Authentication	12/27/2006
20506 0050001	7.00(.000	Protocol	10/00/0006
28586-0050001	7,926,098	Handoff Of A Secure	12/29/2006
		Connection Among	
20704 0041001	<b>5</b> 000 (10	Gateways	10/0/0007
28586-0061001	7,933,619	Wireless Control Of	10/2/2007
	0.000.000	Access Points	4 2 4 2 4 2 4 2 4 2 4 2
28586-0064001	8,060,058	Secure Mobile Base	12/28/2007
20706.0070004	0.167.700	Station Connections	10/05/0005
28586-0070001	8,165,528	Interference	12/27/2007
		Mitigation In Wireless	
		Networks	
28586-0071001	7,983,672	Managing	12/19/2007
		Communications	
		With Private Access	
		Points In Wireless	
		Networks	
28586-0073001	7,835,698	Interference	12/31/2007
		Mitigation In Wireless	
		Networks	
28586-0088001	8,170,598	Information Sharing	12/30/2008
		In a Private Access	
		Point Network	
28586-0090001	7,995,493	Estimating Bandwidth	12/23/2008
		In Communication	
		Networks	
28586-0093001	8,160,631	Power Control for	1/7/2009
		Reverse Link	
28586-0099001	7,907,571	Mobile Aware Beacon	6/30/2009

**RECORDED: 10/03/2012**