

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7332335

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
PNC BANK, NATIONAL ASSOCIATION		05/01/2017
RECEIVING PARTY DATA		
Name:	RAVEN ANTENNA SYSTEMS INC.	
Street Address:	1315 OUTLET CENTER DRIVE	
City:	SMITHFIELD	
State/Country:	NORTH CAROLINA	
Postal Code:	27577	
PROPERTY NUMBERS Total: 27		
Property Type	Number	
Patent Number:	5552797	
Patent Number:	6087908	
Patent Number:	6097264	
Patent Number:	6188372	
Patent Number:	6222495	
Patent Number:	6297710	
Patent Number:	6549173	
Patent Number:	6621375	
Patent Number:	6720932	
Patent Number:	7038632	
Patent Number:	7154450	
Patent Number:	7173575	
Patent Number:	7193491	
Patent Number:	7280080	
Patent Number:	7375698	
Patent Number:	7439930	
Patent Number:	7602347	
Patent Number:	7755557	
Application Number:	14087813	
Patent Number:	D463408	

Property Type	Number
Patent Number:	D454555
Patent Number:	D453927
Patent Number:	D453926
Patent Number:	D453925
Patent Number:	D453152
Patent Number:	D452965
Patent Number:	D443873

CORRESPONDENCE DATA

Fax Number: (202)408-3141

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 202-408-3121 X62348

Email: jean.paterson@cscglobal.com

Correspondent Name: CSC

Address Line 1: 1090 VERMONT AVENUE NW, SUITE 430

Address Line 4: WASHINGTON, D.C. 20005

NAME OF SUBMITTER:	JEAN PATERSON
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SIGNATURE:	/jep/
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DATE SIGNED:	05/16/2022
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Total Attachments: 7

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NOTICE OF RELEASE OF SECURITY INTEREST

This Notice of Release of Security Interest (the "Release") is effective as of May 1, 2017, by **PNC BANK, NATIONAL ASSOCIATION**, in its capacity as agent for the Lenders ("Agent") under the Revolving Credit, Term Loan and Security Agreement dated as of December 23, 2013 ("Credit Agreement") in favor of **RAVEN ANTENNA SYSTEMS INC.**, a Delaware corporation (the "Grantor"). All capitalized terms used but not otherwise defined herein have the meanings given to them in the Credit Agreement.

WHEREAS, pursuant to the Credit Agreement, the Intellectual Property Security Agreement dated as of May 23, 2013 (the "IP Security Agreement") and the Supplement to Intellectual Property Security Agreement dated as of December 15, 2014 (the "Supplement to IP Security Agreement") by the Grantor in favor of Agent, the Grantor granted to Agent for its benefit and the benefit of the Lenders a continuing security interest in and Lien on all of Grantor's right, title and interest in, to and under the IP Collateral (as defined in the IP Security Agreement and the Supplement to IP Security Agreement), including the IP Collateral set forth on Exhibit A attached hereto; and

WHEREAS, the IP Security Agreement was recorded with the patent division of the United States Patent and Trademark Office on December 30, 2013 at Reel/Frame 031891/0183, and the Supplement to IP Security Agreement was recorded with the patent division of the United States Patent and Trademark Office on January 29, 2015 at Reel/Frame 034854/0689;

NOW, THEREFORE, intending to be legally bound hereby and in connection with the Credit Agreement, the IP Security Agreement and the Supplement to IP Security Agreement, Agent hereby releases and remits, without any recourse, representation or warranty, the continuing security interest in and Lien on all of Grantor's right, title and interest in, to and under the IP Collateral (as defined in the IP Security Agreement and the Supplement to IP Security Agreement), including the IP Collateral set forth on Exhibit A attached hereto, granted pursuant to the Credit Agreement, IP Security Agreement or Supplement to IP Security Agreement, and hereby authorizes the Grantor or Grantor's authorized representative to record this Release with the United States Patent and Trademark Office as evidence of such release.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, Secured Party duly executes this Release, which is effective as of the day and year first written above.

PNC BANK, NATIONAL ASSOCIATION,
as Agent

By: 

Name: Timothy Canon

Title: Vice President

EXHIBIT A

PATENTS, TRADEMARKS, AND COPYRIGHTS

1. Grantor's patents and patent applications:

Patent No. Appl. No.	Issue Date Filing Date	Title	Estimated Expiration Date	Owner
5,552,797 08/348,790	09/03/1996 12/02/1994	Die-Castable Corrugated Horns Providing Elliptical Beams	12/02/2014	Raven Antenna Systems Inc.
6,087,908 09/152,134	07/11/2000 09/11/1998	Planar Ortho-Mode Transducer	09/11/2018	Raven Antenna Systems Inc.
6,097,264 09/104,447	08/01/2000 06/25/1998	Broad Band Quad Ridged Polarizer	06/25/2018	Raven Antenna Systems Inc.
6,188,372 09/335,089	02/13/2001 06/17/1999	Antenna with Molded Integral Polarity Plate	06/17/2019	Raven Antenna Systems Inc.
6,222,495 09/513,787	04/24/2001 02/25/2000	Multi-Beam Antenna	02/25/2020	Raven Antenna Systems Inc.
6,297,710 09/388,595	10/02/2001 09/02/1999	Slip Joint Polarizer	09/02/2019	Raven Antenna Systems Inc.
6,549,173 09/701,604	04/15/2003 11/30/2000 National stage of PCT filing 5/28/1999	Antenna Feed and a Reflector Antenna System and a Low Noise (LNB) Receiver, Both with Such an Antenna Feed	12 th yr. fee due: 10/15/2014 05/28/2019	Raven Antenna Systems Inc.
6,621,375 10/045,667	09/16/2003 10/24/2001	N Port Feed Device	12 th yr. fee due: 03/16/2015 10/24/2021	Raven Antenna Systems Inc.

Patent No. Appl. No.	Issue Date Filing Date	Title	Estimated Expiration Date	Owner
6,720,932 09/869,728	04/13/2004 09/19/2001 National stage of PCT filing 01-07-2000	Multi-Frequency Antenna Feed	12 th yr. fee due: 10/13/2015 +56 PTA 03/03/2020	Raven Antenna Systems Inc.
7,038,632 10/904,674	05/02/2006 11/22/2004 PCT 09/12/2002	Co-Located Multi-Band Antenna	12 th yr. fee due: 11/02/2017 09/12/2022	Raven Antenna Systems Inc.
7,154,450 10/907,322	12/26/2006 03/29/2005 <i>CIP of 7,280,080 filed 02-11-2005</i>	Dual Band Feed Window	8 th yr. fee due: 06/26/2014 +43 PTA 03/26/2025	Raven Antenna Systems Inc.
7,173,575 10/905,916	02/06/2007 01/26/2005	Reflector Antenna Support Structure	8 th yr. fee due: 08/06/2014 01/26/2025	Raven Antenna Systems Inc.
7,193,491 10/907,164	03/20/2007 03/23/2005	Multi-Planar Sealing Gasket for Waveguide Assembly	8 th yr. due: 09/20/2014 +36 PTA 04/28/2025	Raven Antenna Systems Inc.
7,280,080 10/906,273	10/09/2007 02/11/2005	Multiple Beam Feed Assembly	8 th yr. fee due: 04/09/2015 +216 PTA 09/15/2025	Raven Antenna Systems Inc.

Patent No. Appl. No.	Issue Date Filing Date	Title	Estimated Expiration Date	Owner
7,375,698 11/292,912	05/20/2008 12/02/2005	Hydrophobic Feed Window	8 th yr. fee due: 11/20/2015 +103 PTA 03/15/2026	Raven Antenna Systems Inc.
7,439,930 10/907,163	10/21/2008 03/23/2005	Antenna Mount With Fine Adjustment Cam	8 th yr. fee due: 04/21/2016 +664 PTA 01/16/2027	Raven Antenna Systems Inc.
7,602,347 11/423,256	10/13/2009 06/09/2006	Squint-Beam Corrugated Horn	8 th yr. fee due: 04/13/2017 +319 PTA 04/24/2027	Raven Antenna Systems Inc.
7,755,557 11/931,115	07/13/2010 10/31/2007	Cross-Polar Compensating Feed Horn and Method of Manufacture	8 th yr. fee due: 01/13/2018 +125 PTA 03/04/2028	Raven Antenna Systems Inc.
14/087813	11/22/2012	Antenna Apparatus	Pending	Raven Systems Antenna Inc.
D463408 D/141,804	09/24/2002 05/11/2001	Shaped Reflector Surface of a Microwave Antenna	09/24/2016	Raven Antenna Systems Inc.
D454555 D/141,785	03/19/2002 05/11/2001	Shaped Reflector Surface of a Microwave Antenna	03/19/2016	Raven Antenna Systems Inc.
D453927 D/145,183	02/26/2002 07/16/2001	Shaped Reflector Surface of a Microwave Antenna	02/26/2016	Raven Antenna Systems Inc.
D453926 D/141,805	02/26/2002 05/11/2001	Shaped Reflector Surface of a Microwave Antenna	02/26/2016	Raven Antenna Systems Inc.
D453925 D/138,686	02/26/2002 03/16/2001	Shaped Reflector Surface of a Microwave Antenna	02/26/2016	Raven Antenna Systems Inc.
D453152 D/145,182	01/29/2002 07/16/2001	Shaped Reflector Surface of a Microwave Antenna	02/26/2016	Raven Antenna Systems Inc.

D452965 D/141,786	01/15/2002 02/09/2000	Shaped Reflector Surface of a Microwave Antenna	01/15/2016	Raven Antenna Systems Inc.
D443873 D/117,336	06/19/2001 01/20/2000	Upper Surface of a Microwave Antenna Shaped Reflector	06/19/2015	Raven Antenna Systems Inc.

2. Grantor's trademarks:

Trademark	Country	Serial Number	Application Date	Registration Number	Registration Date
Skyware	United States	79013497	November 8, 2004	3159023	October 17, 2006
	International Registration (China, France, UK, Russia)			IR0857060	
Skyware & Design	United States	79026519	April 29, 2005	3546983	December 16, 2008
	International Registration (China, France, UK, Russia)			IR0892271	
Mark Antenna					Not Registered
Gabriel Antennas					Not Registered

3. Grantor's copyrights:

None

EXHIBIT C

Wells Fargo Bank, National Association Siena Funding Depository Account
Account # 4986311751
ABA Routing # 121000248
Reference: Raven Antenna Systems, Inc.