

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3952625

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	AEROSAT CORPORATION	09/28/2013
RECEIVING PARTY DATA		
Name:	ASTRONICS AS CORPORATION	
Street Address:	130 COMMERCE WAY	
City:	EAST AURORA	
State/Country:	NEW YORK	
Postal Code:	14052	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14313595
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	A0602-700622	
NAME OF SUBMITTER:	JOHN N. ANASTASI	
SIGNATURE:	/John N. Anastasi/	
DATE SIGNED:	07/07/2016	
Total Attachments: 9		
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PATENT ASSIGNMENT

WHEREAS, **AEROSAT CORPORATION**, a Delaware corporation having an office at 62 Route 101-A, Amherst, New Hampshire 03031 (the "Seller"), is the owner of the patents and patent applications listed in Exhibit A attached hereto and made a part hereof (the "Patent Properties") and the inventions disclosed and/or claimed therein; and

WHEREAS, **ASTRONICS AS CORPORATION**, a New Hampshire corporation having an office at 130 Commerce Way, East Aurora, New York 14052 (the "Buyer") is desirous of acquiring all right, title and interest in and to said Patent Properties and the inventions disclosed and/or claimed therein in furtherance of an Asset Purchase Agreement, dated as of October 1, 2013 by and among Seller, Buyer, AeroSat Avionics LLC, AeroSat Tech Licensing LLC and AeroSat Airborne Internet LLC.

NOW, THEREFORE, in consideration of the purchase price in hand paid or to be paid by Buyer to Seller under said Asset Purchase Agreement, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Seller hereby sells, assigns, transfers, and conveys to Buyer, its successors and assigns, its entire right, title and interest in and for the United States of America and all other countries in and to the aforesaid inventions and said Patent Properties, including any and all divisions, continuations or continuations-in-part thereof, and any reissues or reexaminations thereof, and in and to any and all applications for patents filed in this or any foreign countries for said inventions or improvements thereof, including all priority rights, and any and all patents which may be granted in foreign countries therefor, to have and hold the same to the full end of the term or terms for which any and all said patents have been granted, reissued or reexamined, together with all unsatisfied claims for damages by reason of past infringement of said Patent Properties and the right to sue for such damages and collect same;

AND Seller, for the considerations aforesaid, hereby covenants and agrees to and with Buyer, its successors and assigns, that Seller, its successors and assigns, shall and will do all lawful acts and things and make, execute and deliver any and all other instruments in writing, further applications, papers, affidavits, assignments, and other documents which, in the reasonable opinion of counsel for Buyer, its successors and assigns, may be required or necessary to more effectively secure and vest in Buyer, its successors and assigns, Seller's entire right, title

PATENT ASSIGNMENT

and interest in and to the Patent Properties, inventions, and/or all of the rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that Seller will sign any applications for reissue which may be desired by the owner of the Patent Properties.

AND this Patent Assignment may be executed in one or more counterparts, each of which shall be deemed an original, and, when taken together, shall constitute one and the same agreement. Electronic signatures shall be deemed the same as original signatures.

[SIGNATURE PAGE FOLLOWS]

PATENT ASSIGNMENT

IN WITNESS WHEREOF, Seller and Buyer, by their duly authorized officers, do hereby execute and deliver this Patent Assignment as of October 1, 2013.

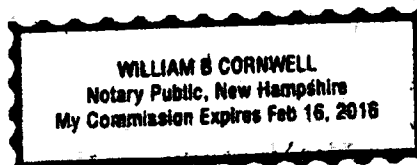
AEROSAT CORPORATION

By: 
Name: Dennis Ferguson
Title: President

STATE OF NEW HAMPSHIRE)
) ss.
COUNTY OF HILLSBOROUGH)

On the 28th day of SEPTEMBER, in the year 2013, before me, the undersigned, personally appeared Dennis Ferguson, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.


Notary Public

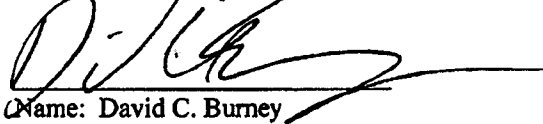


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PATENT ASSIGNMENT

ACKNOWLEDGEMENT: Buyer hereby acknowledges and accepts the assignment made herein.

ASTRONICS AS CORPORATION

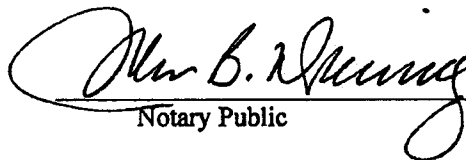
By: 

Name: David C. Burney

Title: Secretary and Treasurer

STATE OF NEW YORK)
 :SS
COUNTY OF ERIE)

On the 21 day of September, in the year 2013, before me, the undersigned, personally appeared David C. Burney, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.


Notary Public

JOHN B. DRENNING
Notary Public, State of New York
JOHN B. DRENNING
Notary Public, State of New York
Qualified in Erie County
My Commission Expires 9/30/13

[Buyer signature page to Patent Assignment]

Exhibit A – Patents and Patent Applications

Patent Number	Name	Status	Recorded Owner / Applicant	Country	Filing Date	Application Number
5,973,647	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	U.S.A.	Sep-17-1997	08/932,190
6,751,442	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	U.S.A.	Sep-16-1999	09/382,969
6,950,073	Communication System With Broadband Antenna	Issued	Aerosat Corporation	U.S.A.	Aug-20-2003	10/644,493
7,181,160	Method And Apparatus For Providing A Signal To Passengers Of A Passenger Vehicle	Abandoned	Aerosat Corporation	U.S.A.	Mar-26-2004	10/810,369
7,251,223	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	U.S.A.	Nov-22-2000	09/721,326
7,403,166	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	U.S.A.	Sep-23-2005	11/234,870
7,791,549	Communication System With Broadband Antenna	Issued	Aerosat Corporation	U.S.A.	Jul-21-2008	12/176,808
8,427,384	Communication System With Broadband Antenna	Issued	Aerosat Corporation	U.S.A.	Oct-22-2009	12/604,087
N/A	Communication System with Broadband Antenna	Pending	Aerosat Corporation (Assignment recorded in parent)	U.S.A.	Apr-23-2013	13/868,657
N/A	Communication System With Broadband Antenna	Pending	Aerosat Corporation	U.S.A.	Sep-07-2010	12/876,552
N/A	Antenna Feed Network That Preserves Polarization	Abandoned		U.S.A.	Aug-20-2004	10/922,812
N/A	Antenna and Gimbal Assembly	Abandoned		U.S.A.	Mar-27-2009	10/960,892
N/A	Micro-Communications Methodology And System For Mobile Platforms	Expired	Aerosat Corporation	U.S.A.	Sep-27-2000	60/235,796
N/A	Communication System With Broadband Antenna	Expired	Aerosat Corporation	U.S.A.	Aug-20-2002	60/405,080

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Patent Number	Name	Status	Recorded Owner / Applicant	Country	Filing Date	Application Number
N/A	Communication System With Broadband Antenna	Expired	Aerosat Corporation	U.S.A.	Sep-10-2002	60/409,629
N/A	Antenna Gimbal Using a Box Beam Structure	Expired		U.S.A.	Apr-4-2002	60/370,564
N/A	Antenna Gimbal Using a Box Beam Structure	Expired		U.S.A.	Nov-21-2006	60/866,757
N/A	Antenna Feed Network that Preserves Polarization	Expired		U.S.A.	Aug-20-2003	60/496,553
N/A	Antenna and Gimbal Display	Expired		U.S.A.	Oct-07-2003	60/509,710
N/A	Communication System with Broadband Antenna	Expired		U.S.A.	Sep-13-2007	60/971,958
N/A	Communication System with Broadband Antenna	Expired		U.S.A.	Sep-17-2007	60/973,112
N/A	Communication System with Broadband Antenna	Expired		U.S.A.	Sep-08-2008	61/095,167
N/A	Communication System with Broadband Antenna	Expired		U.S.A.	Oct-22-2008	61/107,606
N/A	Communication System with Broadband Antenna	Expired		U.S.A.	Oct-24-2008	61/108,237
N/A	Methods of Manufacturing an Antenna Array	Expired		U.S.A.	Sep-08-08	61/095,200
N/A	LOW-HEIGHT, LOW-COST, HIGH-GAIN ANTENNA AND SYSTEM FOR MOBILE PLATFORMS	Expired	Aerosat Corporation	WO	Oct-25-1999	PCT/US1999/025008 (*WO/2001/015275)
N/A	LOW-HEIGHT, LOW-COST, HIGH-GAIN ANTENNA AND SYSTEM FOR MOBILE PLATFORMS	Expired	Aerosat Corporation	WO	Sep-27-2001	PCT/US2001/030195 (*WO/2002/028134)
N/A	COMMUNICATION SYSTEM WITH BROADBAND ANTENNA	Expired	Aerosat Corporation	WO	Aug-20-2003	PCT/US2003/026226 (*WO/2004/019443)
N/A	COMMUNICATION SYSTEM WITH BROADBAND ANTENNA	Expired	Aerosat Corporation	WO	Sep-12-2008	PCT/US2008/076216 (*WO/2009/036305)

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Patent Number	Name	Status	Recorded Owner / Applicant	Country	Filing Date	Application Number
87378	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	Singapore	Oct-25-1999	20020112-9
147272	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	Singapore	Oct-25-1999	200401087-2
138465	LOW-HEIGHT, LOW-COST, HIGH-GAIN ANTENNA AND SYSTEM FOR MOBILE PLATFORMS	Abandoned	Aerosat Corporation	Singapore	Sep-27-2001	200504054-8
N/A	Communication System With Broadband Antenna	Abandoned	Aerosat Corporation	Singapore	Aug-20-2003	200701058-0 (*156528)
N/A	LOW-HEIGHT, LOW-COST, HIGH-GAIN ANTENNA AND SYSTEM FOR MOBILE PLATFORMS	Abandoned	Aerosat Corporation	Singapore	Sep-27-2001	200905718-3
01817678.X	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	China	Sep-27-2001	CN0181767.X
ZL 99816918.8	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	China	Oct-25-1999	CN99816918.8
1212810	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	Europe	Oct-25-1999	99973983.2
EP1212810	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	France	Oct-25-1999	EP99973983.2
69936884.7	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	Germany	Oct-25-1999	EP99973983.2
EP1212810	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	Ireland	Oct-25-1999	EP99973983.2
EP1212810	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	U.K.	Oct-25-1999	EP99973983.2

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Patent Number	Name	Status	Recorded Owner / Applicant	Country	Filing Date	Application Number
10-0573653	LOW-HEIGHT, LOW-COST, HIGH-GAIN ANTENNA AND SYSTEM FOR MOBILE PLATFORMS	Abandoned	Aerosat Corporation	Korea	Oct-25-1999	2002-7002835
10-0914348	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	Korea	Aug-08-2008	2008-7019526
10-0901897	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Issued	Aerosat Corporation	Korea	Sep-27-2006	2003-7004467
N/A	COMMUNICATION SYSTEM WITH BROADBAND ANTENNA	Abandoned	Aerosat Corporation	Korea	Sep-12-2008	2010-7007902
1682402	Communication System With Broadband Antenna	Issued	Aerosat Corporation	China	Aug-20-2003	CN03822370.8
N/A	COMMUNICATION SYSTEM WITH BROADBAND ANTENNA	Abandoned	Aerosat Corporation	China	Aug-20-2003	CN201010243801.2
N/A	LOW-HEIGHT, LOW-COST, HIGH-GAIN ANTENNA AND SYSTEM FOR MOBILE PLATFORMS	Abandoned	Aerosat Corporation	Japan	Oct-25-1999	2001-519531
4238215	Communication System With Broadband Antenna	Issued	Aerosat Corporation	Japan	Aug-20-2003	2004529795 (*2005536929)
N/A	Communication System With Broadband Antenna	Pending	Aerosat Corporation	Japan	Sep-12-2008	2010-525034 (*2010-5398125)
N/A	Communication System With Broadband Antenna	Pending	Aerosat Corporation	China	Sep-12-2008	200880113615.8
1321006	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Abandoned	Aerosat Corporation	Spain	Sep-27-2001	01973569.5 (*2276827)
N/A	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Abandoned	Aerosat Corporation	Japan	Oct-14-2004	2004531911
N/A	Communication System With Broadband Antenna	Abandoned	Aerosat Corporation	Canada	Aug-20-2003	2496053
N/A	Communication System With Broadband Antenna	Abandoned	Aerosat Corporation	Europe	Aug-20-2003	03793232.2

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Patent Number	Name	Status	Recorded Owner / Applicant	Country	Filing Date	Application Number
60124931.3	COMMUNICATION SYSTEM FOR MOBILE PLATFORMS	Abandoned	Aerosat Corporation	Germany	Sep-27-2001	01973569.5
N/A	Communication System With Broadband Antenna	Abandoned	Aerosat Corporation	Australia	Aug-20-2003	2003265569
N/A	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Abandoned	Aerosat Corporation	Austria	Dec-12-2006	20010973569 (*347236)
N/A	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Abandoned	Aerosat Corporation	Australia	Sep-27-2001	20010093132
N/A	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Abandoned	Aerosat Corporation	Australia	Oct-25-1999	2000012304
N/A	Low-Height, Low-Cost, High-Gain Antenna And System For Mobile Platforms	Abandoned	Aerosat Corporation	Canada	Sep-27-2001	2423823
1321006	Communication System For Mobile Platforms	Abandoned	Aerosat Corporation	Europe	Sep-27-2001	01973569.5
N/A	COMMUNICATION SYSTEM WITH BROADBAND ANTENNA	Abandoned	Aerosat Corporation	Europe	Sep-12-2008	08830873.9

* - publication number