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PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2586968

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		

Name	Execution Date
ALLEN R. SAMUELS	11/18/2004
PAUL G. SUTTER	04/15/2004

RECEIVING PARTY DATA

Name:	ORBITAL DATA CORPORATION
Street Address:	1900 S. NORFOLK ST.,
Internal Address:	SUITE 320
City:	SAN MATEO
State/Country:	CALIFORNIA
Postal Code:	94403

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14045543

CORRESPONDENCE DATA

Fax Number:

Email: ejahaj@foley.com

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

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Address Line 2: SUITE 2600

Address Line 4: BOSTON, MASSACHUSETTS 02199

ATTORNEY DOCKET NUMBER:	099011-3412(CTX-289USCN3)
NAME OF SUBMITTER:	CHRISTOPHER J. MCKENNA
Signature:	/Christopher J. McKenna/
Date:	10/22/2013

Total Attachments: 2

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PATENT

REEL: 031454 FRAME: 0814

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Orbital Data Corporation a Delaware corporation, having a place of business at 1900 S. Norfolk St., Suite 320, San Mateo, CA 94403, ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1.	The	entire	world	lwide	right,	title,	and	interest	in a	ll inv	entions	and
improvements	("SU	BJECT	MAT	TTER'	") that	are dis	sclos	ed in the	prov	isional	applica	ition
filed under 3:	5 U.S	S.C. §1	11(b)	or no	on-prov	/isiona	l apı	olication	filed	under	35 U.	S.C.
§111(a) and e	entitle	d WA	VEFR	ONT	DETI	ECTIO)N A	ND DIS	SAM	BIGU	ITION	OF
ACKNOWLI	EDGE	EMEN	rs ("A	PPLI	CATIC)N"), v	vhich					

	is to be filed herewith
\boxtimes	was filed on July 28, 2004,
	now bearing U.S. application number 10/902,493; and

- 2. The entire worldwide right, title, and interest in and to:
- (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Osse Occhei # 23487-59318 1 of 2

23447/09314/SF/5130115.1

Re: Title:		Disambiguation of Acknowledgements
Filed: Serial No.:	July 28, 2004 10/902,493	
		cuted in one or more counterparts, each of which shall be as taken together as one and the same Assignment.
Name and Sign	Janus L	Date of Signature
Allen R. satisfactory evic acknowledged to	Samuels tence to be the person me that he/she executed	personally appeared personally known to me or proved to me on the basis of whose name is subscribed to the within instrument and d the same in his/her authorized capacity, and that by his/her or the entity upon behalf of which the person acted, executed
Allen R. satisfactory evic acknowledged to signature on the	Samuels tence to be the person me that he/she executed	personally known to me or proved to me on the basis of whose name is subscribed to the within instrument and d the same in his/her authorized capacity, and that by his/her
Allen R. satisfactory evid acknowledged to signature on the the instrument. Notary Seal	Samuels lence to be the person me that he/she executed instrument the person, of	personally known to me or proved to me on the basis of whose name is subscribed to the within instrument and d the same in his/her authorized capacity, and that by his/her or the entity upon behalf of which the person acted, executed
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Notary

Case Docker # 23947-09314

Notary Seal