PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Nicolas Claude Gascon	08/08/2011
Mark Antony Cappelli	08/11/2011
Ronald W. King	08/29/2011

RECEIVING PARTY DATA

Name:	Space Systems/Loral, Inc.
Street Address:	3825 Fabian Way
City:	Palo Alto
State/Country:	CALIFORNIA
Postal Code:	94303-4604

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13223041

CORRESPONDENCE DATA

Fax Number: (510)663-0920

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

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Email: mdeauclaire@wavsip.com

Correspondent Name: Weaver Austin Villeneuve & Sampson LLP

Address Line 1: PO Box 70250

Address Line 4: Oakland, CALIFORNIA 94612-0250

ATTORNEY DOCKET NUMBER:	LORLP203
NAME OF SUBMITTER:	Michael L. Day

Total Attachments: 3

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PATENT REEL: 026841 FRAME: 0030

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

unified chemical electric propulsion system

	Unirir	i chemical electric	. recronsion :	AAITS & CI & C
(Atty.	Docket No. LORL	P203,		
	for which I have which bears U.S. which is a U.S.	re executed a U.S. patent appli S. application No. 13,223 provisional application. (According	cation on even dat .041 . (Not accommpanying)	e herewith. (Accompanying) npanying)
ackno	For good and vawledged, I, an unde	aluable consideration, the resigned inventor, hereby:	eceipt and suffici-	ency of which is hereby
and in	iness at 3825 Fabia terest in any and all	unsfer to Space Systems/Loral in Way, Palo Alto, CA 94303~ improvements and inventions luding foreign patents and the	4604 ("ASSIGNEE disclosed in, appli	"), the entire right, title (cations based upon, and
2) result reissu	Authorize and req ing from said applic e thereof to the ASS	uest the Commissioner of Pate ation or any division, continua IGNEE.	ents to issue any an ation, substitute, re	d all United States Patents newal, re-examination or
applic	m any acts which a ation, as well as any	all papers and documents and, re reasonably necessary in con y derivative applications there s resulting from such applicat	nection with the pr of, foreign applicat	osecution of said
4) the Ai	SSIĞNEE, its succe	ns, covenants and conditions ssors, assigns and other legal ventor's heirs, legal represent	representatives, and	shall inure to the benefit of d shall be binding upon the
5) or un	Warrant and reprederstanding that con	sent that I have not entered ar flicts with this assignment.	d will not enter int	o any assignment, contract
6) with 1	Authorize and req	uest my attorney/agent to inse	rt above the applic	ation No. in order to assist
	Signed on the date	e indicated beside my signatur	€.	
1)	Signature:	Nicolas Claude Gascon	Date:	<u>08-08-</u> 2011
2)	Signature: Typed Name:	Mark Antony Cappelli	Date:	***************************************
3)	Signature:	Ronald W. King	Date:	

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ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

UNIFIED CHEMICAL ELECTRIC PROPULSION SYSTEM

	• • • • • • • • • • • • • • • • • • • •
(Atty. Docket No. LORI	LP203,
🔯 which bears (ave executed a U.S. patent application on even date herewith. (Accompanying) J.S. application No. 13/223.041 . (Not accompanying) S. provisional application. (Accompanying)
	valuable consideration, the receipt and sufficiency of which is hereby ersigned inventor, hereby:
of business at 3825 Fabi	ransfer to Space Systems/Loral, Inc., a Delaware corporation having a place an Way, Palo Alto, CA 94303-4604 ("ASSIGNEE"), the entire right, title ill improvements and inventions disclosed in, applications based upon, and cluding foreign patents and the right to claim priority), the above-referenced
Authorize and re resulting from said appli reissue thereof to the AS	quest the Commissioner of Patents to issue any and all United States Patents cation or any division, continuation, substitute, renewal, re-examination or SIGNEE.
perform any acts which a application, as well as ar	all papers and documents and, entirely at the ASSIGNEE's expense, are reasonably necessary in connection with the prosecution of said by derivative applications thereof, foreign applications based thereon, and/or its resulting from such applications.
the ASSIGNEE, its succ	rms, covenants and conditions of this assignment shall inure to the benefit of essors, assigns and other legal representatives, and shall be binding upon the nventor's heirs, legal representatives and assigns.
	esent that I have not entered and will not enter into any assignment, contract, nflicts with this assignment.
6) Authorize and re with recordal of this assi	quest my attorney/agent to insert above the application No. in order to assist gnment.
Signed on the da	te indicated beside my signature.
Signature: Typed Name:	Nicolas Claude Gascon
2) Signature:	Charles Garagelli Date: 8-11-11
Signature: Typed Name:	Date:

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ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

Unified Chemical Electric Propulsion System
(Atty. Docket No. LORLP203,
for which I have executed a U.S. patent application on even date herewith. (Accompanying) which bears U.S. application No. 13/223,041 . (Not accompanying) which is a U.S. provisional application. (Accompanying)
For good and valuable consideration, the receipt and sufficiency of which is herel acknowledged, I, an undersigned inventor, hereby:
1) Sell, assign and transfer to Space Systems/Loral, Inc., a Delaware corporation having a place of business at 3825 Fabian Way, Palo Alto, CA 94303-4604 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced invention disclosure.
2) Authorize and request the Commissioner of Patents to issue any and all United States Patent resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/o the enforcement of patents resulting from such applications.
4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
5) Warrant and represent that I have not entered and will not enter into any assignment, contract or understanding that conflicts with this assignment.
Authorize and request my attorney/agent to insert above the application No. in order to assis with recordal of this assignment.
Signed on the date indicated beside my signature.
1) Signature: Date: Date:
2) Signature: Date: Typed Name: Mark Antony Cappelli
3) Signature: Ronald W. King Date: 29 Aug Zoll

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RECORDED: 08/31/2011

PATENT REEL: 026841 FRAME: 0033