FORM PTO-1595 (Rev 6:03)	RECORD 11-	03-1999 T	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
OM8 No. 0651-0011 (exp. 4/94)	11/01/59			
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To the Honorable Commissi	oner of Patents and 101	189924 riginal do	ocuments or copy thereof.	
Name of conveying party(ies		2. Name and address of receiving party(ies)		
Jeffrey S. Herd		Name: UNITED STATES AIR FORCE		
Marat Davidovi <b>t</b> z Hans Steyskal		Internal Address:		
Additional name(s) of conveying party	les) attached? 3 Yes 3 No	ESC/JAZ		
3. Nature of conveyance:		40 Wright Street		
2 Assignment	☐ Merger	Street Address:		
☐ Security Agreement	☐ Change of Name			
Other		City: Hanscom AFB State: MA ZIP: 01731- 2903		
Execution Date: 28 Septem	ber 1999 28 Sept 1999	Additional name(s) & address(es) attached?   Yes   No		
4. Application number(s) or pa				
If this document is being the	ed togetner with a new application	n, the execution date of the appli	Cation is:	
A. Patent Application No.(s	3)	B. Patent No.(s)		
09/411,714				
	Additional numbers a	ttached?		
5. Name and address of party		6. Total number of applications and patents involved: 1		
concerning document should				
Name: JULIAN L. SIE	GEL	7. Total fee (37 CFR 3.41)\$ 40		
Internal Address:		☐ Enclosed		
		Authorized to be charged to deposit account		
ESC/JA	Z			
Street Address: 40 Wright Street		8. Deposit account number:		
		AF 01-0465		
City: Hanscom AFB	State: MA ZIP: 01731-	(Attach duplicate copy of this page if paying by deposit account)		
01 FC:581 40.00 CH	DO NOT U	SE THIS SPACE		
3. Statement and signature.  To the best of my knowled the original document.  JULIAN L. SIEG  Name of Person Signing	EL Ju	mation is true and correct and an Signature g cover sheet, attachments, and docume	y attached copy is a true copy of  29 October 1999  Oate	
•		g cover sheet, attachments, and occurre		

FORM PTO-1595

U.S. DEPARTMENT OF COMMERCE

Filed: 4 October 1999

AFB00481

## ASSIGNMENT (Joint-Executive Order)

WHEREAS, we, Jeffrey S. Herd, Marat Davidovitz and Hans Steyskal, while employed by the Government of the United States, made an invention entitled RECONFIGURABLE MICROSTRIP ANTENNA ARRAY GEOMETRY WHICH UTILIZES MICRO-ELECTRO-MECHANICAL SYSTEM (MEMS) SWITCHES, and described in application for Letters Patent of the United States executed by us on or about the day of Jensey, 1999, and on the letters Patent of the United States executed by us on or about the law of Jensey, 1999, and on the letters Patent of the United States executed by us on or about the law of Jensey, 1999.

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under paragraph l(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, we Jeffrey S. Herd, Marat Davidovitz and Hans Steyskal, the inventors, have sold, assigned and transferred and by these presents do sell, assign and transfer unto the Government of the United States of America as represented by the Secretary of the Air Force, our entire right, title and interest throughout the world, in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States, and all Letters Patent issuing thereon and any continuations, divisions and reissues or extensions thereof; we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the Government of the United States of America, as represented by the Secretary of the Air Force, and his/her successors, as assignee of our entire right, title and interest in and to the same throughout the United States of America, its territories and dependencies, for the sole use for the full term or terms for which said Letters Patent and any continuations, divisions and reissues or extensions thereof are, or may be granted as fully and entirely as the same would have been held by us had this assignment not been made; and we do hereby also grant unto the Government of the United States as represented by the Secretary of the Air Force, our right, title, and interest in said invention or all applications for Letters Patent thereon in all countries foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to us of any further consideration; provided, however, that this grant to take foreign rights in our invention, or application for Letters Patent thereon, shall have force and effect only as to such applications filed in foreign countries, and that all foreign rights not exercised under this grant are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any foreign country, including the power to issue sublicenses for use in behalf of the Government of the United States and/or in furtherance of the

foreign policies of the Government of the United States; and we hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any

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shall not be subject to any out-of-pocket expense relative to such action. Inventor Jeffrey S/Herd STATE OF: Mass

COUNTY OF Midalesex Before me, a Notary Public in and for the county of Mod 1050x and state of 1955, on this 15 day of 500 to me known personally, who being duly sworn did say that he is one of the inventors who signed the above instrument and acknowledges said instrument to be his free act and deed. Notary Public (Seal) STATE OF: Mass

COUNTY OF Midajese Before me, a Notary Public in and for the county of Middles and state of and state of to me known personally, who being duly sworn did say that he is one of the inventors who signed the above instrument and acknowledged said instrument to be his free act and deed. Notary Public

(Seal)

papers which may be necessary for the preparation and filing of such applications, or for the Government to exercise its option granted hereunder, except that it shall be understood that we

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	Inventor	M. Steple	
1.1		Hans Steyskal	
STATE OF: MASS  COUNTY OF Middless			
COUNTY OF Midd 050	SS.		
Before me, a Notary Public in and for the of the form of the second of t	y of sonally, who	being duly sworn d nowledged said inst	_

(Seal)

RECORDED: 11/01/1999

PATENT REEL: 010348 FRAME: 0352