RECORDATION **PATE**





To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

Additional name(s) of conveying parties attached? No City, State: CHICAGO, ILLINOIS Zip: 93 3. Nature of conveyance: ASSIGNMENT Execution Date: MAY 17, 2002 Additional name(s) & address(es) attached? No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: MAY 17, 2002 A. Patent Application No.(s): Serial No.(s): Serial No.(s): Additional numbers attached? No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOHN R. RAFTER 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: 15460 Laguna Canyon Road City: Invine State: CA Zip: 92618 CRHARISI 00000012 10152446			
Street Address: 100 NORTH RIVERSIDE Additional name(s) of conveying parties attached? No 3. Nature of conveyance: ASSIGNMENT Execution Date: MAY 17, 2002 Additional name(s) & address(es) attached? No 4. Application number(s) or patent number(s): 4. Application number(s) or patent number(s): 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applicas, and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road City. Invine State: CA Zip: 92618 DO NOT USE THIS SPACE	Name of the conveying party(ies):	2. Name and address of receiving party(ies)	
Additional name(s) of conveying parties attached? No City, State: CHICAGO, ILLINOIS Zip: 1 3. Nature of conveyance: ASSIGNMENT Execution Date: MAY 17, 2002 Additional name(s) & address(es) attached? No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: MAY 17, 2002 A Patent Application No.(s): Serial No.(s): Serial No.(s): Additional numbers attached? No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOHN R. RAFTER Internal Address: Boeing Management Company Street Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road City: Invine State: CA Zip: 92618 Characteristic CA Zip: 92618 ONOT USE THIS SPACE DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a term of the page	MARK A. LUNDGREN	Name: THE BOEING COMPANY	
3. Nature of conveyance: ASSIGNMENT Execution Date: MAY 17, 2002 Additional name(s) & address(es) attached? No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: MAY 17, 2002 A. Patent Application No.(s): Serial No.(s): B. Patent No.(s) Additional numbers attached? No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOHN R. RAFTER 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: Boeing Management Company Street Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road 6. Deposit account number: NA City: Invine State: CA Zip: 92618 CO NOT USE THIS SPACE DO NOT USE THIS SPACE		Street Address: 100 NORTH RIVERSIDE PLAZA	
Execution Date: MAY 17, 2002 Additional name(s) & address(es) attached? No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: MAY 17, 2002 A. Patent Application No.(s): Serial No.(s): Serial No.(s): 5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOHN R. RAFTER 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road City: Invine State: CA Zip: 92618 Q2 RHARIS1 00000012 10152446 40.00 GP 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a term of the page of the signature of the properties of the application is: MAY 17, 2002 A. Application number(s) & address of the application is: MAY 17, 2002 B. Patent No.(s) Additional numbers attached? No 6. Total number of application is: MAY 17, 2002 6. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road 8. Deposit account number: N/A (Attach dup. copy of this page if paying by deposit account page 18, 2000 August 19, 2000 August 2000 Augus	Iditional name(s) of conveying parties attached? No	City, State: CHICAGO, ILLINOIS Zip: 60606-1596	
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: MAY 17, 2002 A. Patent Application No.(s): Serial No.(s): B. Patent No.(s) Additional numbers attached? No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOHN R. RAFTER 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: 15460 Laguna Canyon Road City: Irvine State: CA Zip: 92618 DO NOT USE THIS SPACE DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a term.	Nature of conveyance: ASSIGNMENT		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: MAY 17, 2002 A. Patent Application No.(s): Serial No.(s): Additional numbers attached? No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOHN R. RAFTER 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road City: Irvine State: CA Zip: 92618 OO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a term of the page of t	xecution Date: MAY 17, 2002		
If this document is being filed together with a new application, the execution date of the application is: MAY 17, 2002 A. Patent Application No.(s): Serial No.(s): Additional numbers attached? No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOHN R. RAFTER 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road City: Irvine State: CA Zip: 92618 ONOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a total results and signature.	dditional name(s) & address(es) attached? No		
A. Patent Application No.(s): Serial No.(s): Additional numbers attached? No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOHN R. RAFTER Internal Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road City: Irvine State: CA Zip: 92618 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a top the definition of the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a top the definition of the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a top the definition of the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a top the definition of	Application number(s) or patent number(s):	10/152446	
Serial No.(s): Additional numbers attached? No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOHN R. RAFTER 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road City: Irvine State: CA Zip: 92618 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a total number of applicas, and patents involved: 1 (Attach number of	this document is being filed together with a new application	n, the execution date of the application is: MAY 17, 2002	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOHN R. RAFTER 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road City: Irvine State: CA Zip: 92618 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a temporary to the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a temporary to the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a temporary transfer of applicas, and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED 8. Deposit account number: N/A (Attach dup. copy of this page if paying by deposit account page in paying by deposit account page i	Patent Application No.(s):	B. Patent No.(s)	
concerning document should be mailed: Name: JOHN R. RAFTER 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road City: Irvine State: CA Zip: 92618 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a total concerning to the set of my knowledge and belief, the foregoing information is true and correct and any attached copy is a total concerning true and correct and any attached copy is a total concerning true and correct and any attached copy is a total concerning true and correct and any attached copy is a total concerning true and correct and any attached copy is a total concerning true and correct and any attached copy is a total concerning true and correct and any attached copy is a total concerning true and correct and any attached copy is a total concerning true and correct and any attached copy is a total concerning true and correct and any attached copy is a total concerning true and correct and any attached copy is a total concerning true and correct and any attached copy is a total concerning true.	Serial No.(s):	Additional numbers attached? No	
Name: JOHN R. RAFTER 7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED Internal Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road 8. Deposit account number: N/A City: Irvine State: CA Zip: 92618 CALCIDED ONOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a temporal state.	Name and address of party to whom correspondence	6. Total number of applcns. and patents involved: 1	
Internal Address: Boeing Management Company Street Address: 15460 Laguna Canyon Road City: Irvine State: CA Zip: 92618 DO NOT USE THIS SPACE Proving 100000012 10152446 1 40.00 OF 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a top of the second support	ncerning document should be mailed:		
Street Address: 15460 Laguna Canyon Road City: Irvine State: CA Zip: 92618 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a t	ame: JOHN R. RAFTER	7. Total fee (37 CFR 3.41): \$40.00 ENCLOSED	
DO NOT USE THIS SPACE O2 RHARIS1 00000012 10152446 40.00 0F 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a t	ternal Address: Boeing Management Company		
DO NOT USE THIS SPACE O2 RHARIS1 00000012 10152446 40.00 OF 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a t	reet Address: 15460 Laguna Canyon Road	8. Deposit account number: <u>N/A</u>	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a t	ty: <u>Irvine</u> State: <u>CA</u> Zip: <u>92618</u>	(Attach dup. copy of this page if paying by deposit account)	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a t	Di	O NOT USE THIS SPACE	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a t			
9. Statement and signature.To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a t	RHARIS1 00000012 10152446		
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a t	40.00 OF		
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a t	/		
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a t			
	Statement and signature.		
dodnient.		formation is true and correct and any attached copy is a true copy of	
4n41	1 n H		
Name of person signing LAWRENCE N. GINSBERG Signature 5/d// Date		5/21/02	

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

ASSIGNMENT

Assignment before issue of Letters Patent

File

00-299

WHEREAS, MARK A. LUNDGREN

(hereinafter "Assignor") have invented certain new and useful improvements in

MULTIPLE FIELD OF VIEW TELESCOPE

 $(hereinafter\ "invention")\ for\ which\ Assignor\ is\ making\ or\ has\ made\ application\ for\ LETTERS\ PATENT\ OF$

THE UNITED STATES, which application has been duly executed by Assignor on

even date herewith

AND WHEREAS, **THE BOEING COMPANY**, a corporation organized and existing under the laws of the State of Delaware, U.S.A., having a place of business at **100 NORTH RIVERSIDE PLAZA**, **CHICAGO**, **ILLINOIS 60606** – **1596**.

U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this	17 th day of DGREN	May ,2002
IN TESTIMONY WHEREOF, I have hereunto set my hand this	day of	, 20

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of , 20

PATENT RECORDED: 05/21/2002 REEL: 012927 FRAME: 0859