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Our Ref.: 2239-19

## Mail Stop Assignment Recordation Ser

Commissioner of Patents

Alexandria, VA 22313-1450	Please record the attached original documents or copy thereof.
	2. Name and address of receiving party(ies):
1. Name of conveying party(ies):	2. Name and address of receiving party(les):
Bill R. NORVELL	Name: Toyon Research Corporation
Robert A. YORK	2. Name and address of receiving party(ies):  Name: Toyon Research Corporation Internal Address: Street Address: 75 Aero Caimino, Suite 2
Michael P. GRACE	Street Address: 75 Aero Caimino, Suite 2
<u>_</u>	a halou
Additional name/s of conveying party/ies attached?	
3. Nature of conveyance:	City: Goleta
Assignment Merger	State/Country: California Zip: 93117-3139
Security Assignment Change of Name Other	Σίβ· <u>20111-2192</u>
	-
Execution Date: September 23, September 21, September 20, 2004 respectively	Additional name/s & address/es attached? ☐ Yes ☒ No -
<ol> <li>Application number(s) or patent number(s):</li> <li>If this document is being filed together with a new application, the execution</li> </ol>	cution date of the application is:  September 23, September 21, September 20, 2004 Respectively
A. Patent Application No(s).	B. Patent No(s).
(1) (To Be Assigned)	(1)
(2)	(2)
(3)	(3)
Additional number	s attached Yes No  6. Total number of applications & patents involved: 1
5. Name and address of party to whom correspondence concerning document should be mailed:	o. Total number of applications & patents involved.
concerning document should be maned.	7. Total fee (37 CFR 3.41) \$ 40.00
Name: Larry S. Nixon	Enclosed
	Authorized to be charged to deposit account #14-114
Internal Address:	
	8. The Commissioner is hereby authorized to charge any
Street Address: Nixon & Vanderhye P.C.	<u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which
1100 North Glebe Road	should have been filed herewith (or with any paper thereaft
8 <sup>th</sup> Floor	filed in this application by this firm) to our <b>Account No.</b>
City: Arlington State: VA Zip: 22201	_   14-1140.
DO NOT	USE THIS SPACE
9. Statements and signature.	
	rmation is true and correct and any attached copy is a true copy
Larry S. Nixon	September 28, 2004
	ignature Date
Dog No 25 640	
Total number of pages including o	original cover sheet, attachments, and document: [4]
8021 40.00 OP	

Document7

## ASSIGNMENT OF U.S. PATENT APPLICATION

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	Bill R. Norvell, Red Oak, Texas				
(Inventors)	Robert A. York, Santa Barbara, California				
	Michael P. Grace, Santa Barbara, California				
		lar (\$1.00) and other good and valuable			
	considerations paid to each of the undersigned	d, the undersigned agree(s) to assign, and			
(A:	hereby does assign, transfer and set over to				
(Assignee)	Toyon Research Corporation	2447.0400			
(Address)	75 Aero Camino, Suite A, Goleta, California 93117-3139 (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for				
	the United States, its territories, dependencies				
	applications for patent and any Letters Patent				
(Title)					
(11110)	SWITCHED-RESONANCE ANTENNA PHASE SHIFTER AND PHASE ARRAY INCORPORATING SAME				
	for which the undersigned has (have) execute	d on even date herewith an application for			
	patent in the United States of America or, if no	ot on even date, then has executed on			
		.S. application Serial No, on			
	And Angeled 1994 to the Control of t				
	The undersigned acknowledges an obligation of assignment of this invention to said				
	assignee at the time the invention was made.				
application or and also to edeem necess claims or pro- agreements.	undersigned agree(s) to perform all affirmative a	ny continuing or divisional applications thereof n such applications as the Assignee may which may be necessary in connection with ection of Industrial Property or similar			
of a valid Uni	ited States patent to the Assignee.	, ,			
The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.					
The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.					
In wit signature(s).	tness whereof, executed by the undersigned on	the date(s) opposite the undersigned			
Date	Sept zoo - Signature of inventor	Bill B Norvell			
Date	Signature of inventor	511 13. 140. VOII			
D	Oleman Arman and the con-	Robert A. York			
Date	Signature of inventor	Michael D. Once			
	110 0	Michael P. Grace			
Witnessed by	y Glenda mersch	Date Sent 23 2004			

Date

Witnessed by:

PATENT REEL: 015839 FRAME: 0444

Case No. 2239-19

## **ASSIGNMENT OF U.S. PATENT APPLICATION**

	Bill R. Norvell, Red	Oak, Texas		
(Inventors)	Robert A. York, Santa Barbara, California			
	Michael P. Grace, S	Santa Barbara, California		
(Assignee)	considerations paid	I to each of the undersigne n, transfer and set over to	llar (\$1.00) and other good and valuable d, the undersigned agree(s) to assign, and	
(Address)		uite A, Goleta, California 9	3117-3139	
(Title)	(hereinafter designathe United States, in applications for pate SWITCHED-RESO INCORPORATING	ated as the Assignee) the to ts territories, dependencies ent and any Letters Patent NANCE ANTENNA PHAS SAME	undersigned's entire right, title and interest for s and possessions in the invention, and all which may be granted therefore, known as E SHIFTER AND PHASE ARRAY	
		States of America or, if no	ed on even date herewith an application for on even date, then has executed on I.S. application Serial No, on	
		cknowledges an obligation e the invention was made.	of assignment of this invention to said	
The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.				
	undersigned agree(s ited States patent to t		acts which may be necessary to obtain a grant	
The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.				
The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.				
In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).				
Date		Signature of inventor	Dill D. Marrall	
Date 9	121/04	Signature of inventor	Bill R. Norvell	
Date	,	Signature of inventor	Robert A. York	
			Michael P. Grace	
Witnessed b	v:		Date Color	

Date

Witnessed by:

PATENT REEL: 015839 FRAME: 0445

## **ASSIGNMENT OF U.S. PATENT APPLICATION**

	Bill R. Norvell, Red Oak, Texas				
(Inventors)	Robert A. York, Santa Barbara, California				
(	Michael P. Grace, Santa Barbara, California				
	In consideration of the sum of one do considerations paid to each of the undersigned hereby does assign, transfer and set over to	ollar (\$1.00) and other good and valuable ed, the undersigned agree(s) to assign, and			
(Assignee)	Toyon Research Corporation				
(Address)	75 Aero Camino, Suite A, Goleta, California S	33117-3139			
(Address)	(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for				
	the United States, its territories, dependencie				
	applications for patent and any Letters Paten				
(Title)	SWITCHED-RESONANCE ANTENNA PHAS				
` ,	INCORPORATING SAME				
	for which the undersigned has (have) execute				
	patent in the United States of America or, if n				
	or has already filed \	J.S. application Serial No, on			
	The understand pale and done on chicotics	and applications and this important to said			
	The undersigned acknowledges an obligation assignee at the time the invention was made				
Th.	•				
The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof					
	xecute separate assignments in connection wi				
	sary or expedient and further to perform any ac				
	visions of the International Convention for Prot				
agreements.					
<del>-</del>	undersigned agree(s) to perform all affirmative	acts which may be necessary to obtain a grant			
The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.					
		the Commissioner of Patents to issue any			
The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or					
continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby					
covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has					
(they have) not executed and will not execute, any agreement in conflict herewith.					
The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on					
this assignment any further identification which may be necessary or desirable in order to comply with the					
rules of the United States Patent Office for recordation of this document. It is understood and agreed that					
ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to					
•	ly ASSIGNEE with respect to this invention.				
In witness whereof, executed by the undersigned on the date(s) opposite the undersigned					
signature(s).					
<b>~</b> .					
Date	Signature of inventor	DUD Marrall			
Data	Cianatura of inventor	Bill R. Norvell			
Date	Signature of inventor	Robert A. York			
Date 9	20/04 Signature of inventor	Marches ()			
	o.grada o. grada	Michael P. Grace			
	and the	0.1.1.4			
Witnessed b	y: (Arousall 4) must	Date 9/20/04			
Mitnessed b	()	2			
Intitrocood by		1.1010			

Date

**PATENT REEL: 015839 FRAME: 0446** 

Witnessed by: