

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignee previously recorded on Reel 029430 Frame 0288. Assignor(s) hereby confirms the Assignee is Utah State University.										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bedri A. Cetiner</td> <td>03/30/2012</td> </tr> <tr> <td>Yasin Damgaci</td> <td>04/09/2012</td> </tr> <tr> <td>Luis Jofre</td> <td>05/18/2012</td> </tr> <tr> <td>Daniel Rodrigo</td> <td>05/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	Bedri A. Cetiner	03/30/2012	Yasin Damgaci	04/09/2012	Luis Jofre	05/18/2012	Daniel Rodrigo	05/21/2012
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Luis Jofre	05/18/2012										
Daniel Rodrigo	05/21/2012										
RECEIVING PARTY DATA											
Name:	Utah State University										
Street Address:	1780 North Research Park Way										
Internal Address:	Suite 108										
City:	North Logan										
State/Country:	UTAH										
Postal Code:	84341										
PROPERTY NUMBERS Total: 1											
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Application Number:	13708747										
CORRESPONDENCE DATA											
Fax Number:	8015786999										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	(801) 328-3131										
Email:	jrthompson@stoel.com										
Correspondent Name:	John R. Thompson, c/o Stoel Rives LLP										
Address Line 1:	201 South Main Street, Suite 1100										
Address Line 2:	One Utah Center										
Address Line 4:	Salt Lake City, UTAH 84111										
ATTORNEY DOCKET NUMBER:	51764/70										

NAME OF SUBMITTER:

John R. Thompson

**Total Attachments: 13**

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## Confirmation Receipt

Your assignment has been received by the USPTO.  
The coversheet of the assignment is displayed below:

**PATENT ASSIGNMENT**

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Stylesheet Version v1.1

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## CORRESPONDENCE DATA

**Fax Number:** 8015786999  
**Phone:** (801) 328-3131  
**Email:** jrthompson@stoel.com

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

**Correspondent Name:** John R. Thompson, c/o Stoel Rives LLP  
**Address Line 1:** 201 South Main Street, Suite 1100  
**Address Line 2:** One Utah Center  
**Address Line 4:** Salt Lake City, UTAH 84111

ATTORNEY DOCKET  
NUMBER:

51764/70

## NAME OF SUBMITTER:

John R. Thompson

## Signature:

/John R. Thompson/

## Date:

12/07/2012

## Total Attachments: 8

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## RECEIPT INFORMATION

**EPAS ID:** PAT2194572  
**Receipt Date:** 12/07/2012  
**Fee Amount:** \$40

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# UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 10, 2012

PTAS

JOHN R. THOMPSON, C/O STOEL RIVES LLP  
201 SOUTH MAIN STREET, SUITE 1100  
ONE UTAH CENTER  
SALT LAKE CITY, UT 84111

**502155271**

## UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 12/07/2012

REEL/FRAME: 029430/0288  
NUMBER OF PAGES: 10

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 51764/70

ASSIGNOR:  
CETINER, BEDRI A.

DOC DATE: 03/30/2012

ASSIGNOR:  
DAMGACI, YASIN

DOC DATE: 04/09/2012

ASSIGNOR:  
JOFRE, LUIS

DOC DATE: 05/18/2012

ASSIGNOR:  
RODRIGO, DANIEL

DOC DATE: 05/21/2012

ASSIGNEE:  
UNIVERSITY OF UTAH  
1780 NORTH RESEARCH PARK WAY  
SUITE 108  
NORTH LOGAN, UTAH 84341

APPLICATION NUMBER: 13708747

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: RECONFIGURABLE ANTENNAS UTILIZING LIQUID METAL ELEMENTS

ASSIGNMENT RECORDATION BRANCH  
PUBLIC RECORDS DIVISION

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ATTORNEY DOCKET NUMBER:	51764/70												
NAME OF SUBMITTER:	John R. Thompson												

OP \$40.00 13708747

WHEN RECORDED RETURN TO:  
Commercial Enterprises  
Utah State University  
1780 North Research Park Way Suite 108  
North Logan, UT 84341

U.S. Patent Application No: 61/568,041  
ATTORNEY DOCKET NO. P12024.01

## A S S I G N M E N T

WHEREAS, BEDRI A. CETINER, a citizen of United States, whose post office address is 1585 North 400 East, Apt. 628, Logan, Utah 84341 (hereinafter referred to as "Assignor"), have invented a certain new and useful improvement in RECONFIGURABLE ANTENNAS UTILIZING LIQUID METAL ELEMENTS for which a Provisional application was filed on December 7, 2011 and given U.S. Provisional Patent Application No. 61/568,041; and

WHEREAS, UTAH STATE UNIVERSITY, (hereinafter referred to as "Assignee"), a state chartered institution of higher education, having a principle business address of 1780 North Research Park Way Suite 108, North Logan, UT 84341 is desirous of acquiring the entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of good and valuable consideration paid by Assignee, the receipt and sufficiency whereof is hereby acknowledged, Assignor does hereby grant and assign unto Assignee, the entire right, title and interest in the above-identified United States Application(s) and in all patent applications based thereupon, including, but not limited to, any non-provisionals, divisions, continuations, continuations-in-part of said application(s), reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing therefrom in the United States and foreign countries. Assignee also hereby acquires the right, power and authority to file and prosecute U.S. and foreign patent applications on the invention(s) listed above in its own name, wherever such right may be legally exercised, including the right to claim the priority and benefits of the International Convention for such applications or patent. Assignee also hereby maintains the right to bring actions for infringement of any right in said invention(s) above in its own name, including past infringement, in any jurisdiction.

It is hereby authorized and requested that the United States Commissioner for Patents and Trademarks, who is duly authorized to issue any Letters Patent on said invention, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, recognize and record that Assignee is the owner of the entire right, title, and interest to the inventions listed above, for the sole use and benefit of Assignee, its successors, assigns,



and legal representatives, to the full end of the term for which said Letters Patent are, or may be, granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.

Assignor hereby agrees, without further consideration and without expense to Assignor, to sign all lawful papers and to perform all other lawful acts which the Assignee may request in order to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, divisional, substitution, reissue, and other United States and foreign patent applications; cooperation to the best of Assignor's ability in executing all other lawful documents pertaining to the inventions listed above; and producing evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissuance, extension, and infringement proceedings involving the inventions listed above.

Assignor represents that it has not transferred, licensed or otherwise granted any rights of any kind in the invention(s), to any other party.

This assignment and agreement shall be binding upon our heirs and legal representatives.

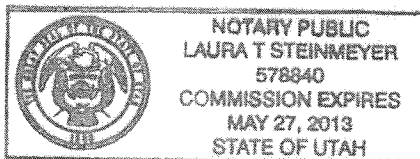
Executed this 30<sup>th</sup> day of March, 2012, at Logan, Utah.

*BA*

Bedri A.Cetiner

STATE OF UTAH                    )  
  :SS  
COUNTY OF CACHE            )

Before me personally appeared Bedri A.Cetiner and acknowledged the foregoing instrument to be his free act and deed this 30<sup>th</sup> day of March, 2012.



*Laura T Steinmeyer*  
Notary Public

WHEN RECORDED RETURN TO:  
Commercial Enterprises  
Utah State University  
1780 North Research Park Way Suite 108  
North Logan, UT 84341

U.S. Patent Application No: 61/568,041  
ATTORNEY DOCKET NO. P12024.01

## A S S I G N M E N T

WHEREAS, YASIN DAMGACI, a citizen of Turkey, whose post office address is 518 Dryden Road Apt. B2G, Ithaca, New York 14850 (hereinafter referred to as "Assignor"), has invented a certain new and useful improvement in RECONFIGURABLE ANTENNAS UTILIZING LIQUID METAL ELEMENTS for which a Provisional application was filed on December 7, 2011 and given U.S. Provisional Patent Application No. 61/568,041; and

WHEREAS, UTAH STATE UNIVERSITY, (hereinafter referred to as "Assignee"), a state chartered institution of higher education, having a principle business address of 1780 North Research Park Way Suite 108, North Logan, UT 84341 is desirous of acquiring the entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of good and valuable consideration paid by Assignee, the receipt and sufficiency whereof is hereby acknowledged, Assignor does hereby grant and assign unto Assignee, the entire right, title and interest in the above-identified United States Application(s) and in all patent applications based thereupon, including, but not limited to, any non-provisionals, divisions, continuations, continuations-in-part of said application(s), reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing therefrom in the United States and foreign countries. Assignee also hereby acquires the right, power and authority to file and prosecute U.S. and foreign patent applications on the invention(s) listed above in its own name, wherever such right may be legally exercised, including the right to claim the priority and benefits of the International Convention for such applications or patent. Assignee also hereby maintains the right to bring actions for infringement of any right in said invention(s) above in its own name, including past infringement, in any jurisdiction.

It is hereby authorized and requested that the United States Commissioner for Patents and Trademarks, who is duly authorized to issue any Letters Patent on said invention, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, recognize and record that Assignee is the owner of the entire right, title, and interest to the inventions listed above, for the sole use and benefit of Assignee, its successors, assigns,


and legal representatives, to the full end of the term for which said Letters Patent are, or may be, granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.

Assignor hereby agrees, without further consideration and without expense to Assignor, to sign all lawful papers and to perform all other lawful acts which the Assignee may request in order to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, divisional, substitution, reissue, and other United States and foreign patent applications; cooperation to the best of Assignor's ability in executing all other lawful documents pertaining to the inventions listed above; and producing evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissuance, extension, and infringement proceedings involving the inventions listed above.

Assignor represents that it has not transferred, licensed or otherwise granted any rights of any kind in the invention(s), to any other party.

This assignment and agreement shall be binding upon our heirs and legal representatives.

Executed this 9th day of April, 2012, at Ithaca, NY

  
\_\_\_\_\_  
Yasin Damgaci

STATE OF UTAH            )  
                                  :SS  
COUNTY OF             )

Before me personally appeared Yasin Damgaci and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public

WHEN RECORDED RETURN TO:  
Commercial Enterprises  
Utah State University  
1780 North Research Park Way Suite 108  
North Logan, UT 84341

U.S. Patent Application No: 61/568,041  
ATTORNEY DOCKET NO. P12024.01

## A S S I G N M E N T

WHEREAS, LUIS JOFRE, a citizen of SPAIN, whose address is Fragata Numancia, 3, 08360, Canet de Mar, Barcelona, SPAIN (hereinafter referred to as "Assignor"), has invented a certain new and useful improvement in RECONFIGURABLE ANTENNAS UTILIZING LIQUID METAL ELEMENTS for which a Provisional application was filed on December 7, 2011 and given U.S. Provisional Patent Application No. 61/568,041; and

WHEREAS, UTAH STATE UNIVERSITY, (hereinafter referred to as "Assignee"), a state chartered institution of higher education, having a principle business address of 1780 North Research Park Way Suite 108, North Logan, UT 84341 is desirous of acquiring the entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of good and valuable consideration paid by Assignee, the receipt and sufficiency whereof is hereby acknowledged, Assignor does hereby grant and assign unto Assignee, the entire right, title and interest in the above-identified United States Application(s) and in all patent applications based thereupon, including, but not limited to, any non-provisionals, divisions, continuations, continuations-in-part of said application(s), reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing therefrom in the United States and foreign countries. Assignee also hereby acquires the right, power and authority to file and prosecute U.S. and foreign patent applications on the invention(s) listed above in its own name, wherever such right may be legally exercised, including the right to claim the priority and benefits of the International Convention for such applications or patent. Assignee also hereby maintains the right to bring actions for infringement of any right in said invention(s) above in its own name, including past infringement, in any jurisdiction.

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and legal representatives, to the full end of the term for which said Letters Patent are, or may be, granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.

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Assignor represents that it has not transferred, licensed or otherwise granted any rights of any kind in the invention(s), to any other party.

This assignment and agreement shall be binding upon our heirs and legal representatives.

Executed this 18 day of MAY, 2012, at BARCELONA  
(SPAIN) (location).



Luis Jofre

WHEN RECORDED RETURN TO:  
Commercial Enterprises  
Utah State University  
1780 North Research Park Way Suite 108  
North Logan, UT 84341

U.S. Patent Application No: 61/568,041  
ATTORNEY DOCKET NO. P12024.01

## A S S I G N M E N T

WHEREAS, DANIEL RODRIGO, a citizen of SPAIN, whose address is Alacant 15, 08110, Montcada, Spain (hereinafter referred to as "Assignor"), has invented a certain new and useful improvement in RECONFIGURABLE ANTENNAS UTILIZING LIQUID METAL ELEMENTS for which a Provisional application was filed on December 7, 2011 and given U.S. Provisional Patent Application No. 61/568,041; and

WHEREAS, UTAH STATE UNIVERSITY, (hereinafter referred to as "Assignee"), a state chartered institution of higher education, having a principle business address of 1780 North Research Park Way Suite 108, North Logan, UT 84341 is desirous of acquiring the entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of good and valuable consideration paid by Assignee, the receipt and sufficiency whereof is hereby acknowledged, Assignor does hereby grant and assign unto Assignee, the entire right, title and interest in the above-identified United States Application(s) and in all patent applications based thereupon, including, but not limited to, any non-provisionals, divisions, continuations, continuations-in-part of said application(s), reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing therefrom in the United States and foreign countries. Assignee also hereby acquires the right, power and authority to file and prosecute U.S. and foreign patent applications on the invention(s) listed above in its own name, wherever such right may be legally exercised, including the right to claim the priority and benefits of the International Convention for such applications or patent. Assignee also hereby maintains the right to bring actions for infringement of any right in said invention(s) above in its own name, including past infringement, in any jurisdiction.

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Assignor represents that it has not transferred, licensed or otherwise granted any rights of any kind in the invention(s), to any other party.

This assignment and agreement shall be binding upon our heirs and legal representatives.

Executed this 21 day of MAY, 2012, at BARCELONA  
(SPAIN) (location).



Daniel Rodrigo