

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

02-10-2005



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**PATENT**

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112921 U.S. PTO  
11/045055



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**PATENT**  
**REEL: 016235 FRAME: 0856**

**Correspondent Name and Address**

**Area Code and Telephone Number** 703-415-2555

**Name** Ralph A. Dowell

**Address (line 1)** Suite 406

**Address (line 2)** 2111, Eisenhower Avenue

**Address (line 3)** Alexandria

**Address (line 4)** VA 22314

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 3

**Application Number(s) or Patent Number(s)**

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

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**Patent Number(s)**


If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
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**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
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has not been assigned.

PCT  PCT  PCT   
PCT  PCT  PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

**Fee Amount for Properties Listed (37 CFR 3.41):** \$ 40

**Method of Payment:**  
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Enclosed ☒ Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

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**Authorization to charge additional fees:**

Yes ☐ No ☐

**Statement and Signature**

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.*

Ralph A. Dowell

**Name of Person Signing**

**Signature**

**Date**

1/31/2005

## ASSIGNMENT

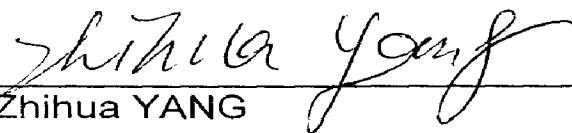
We, Zhihua YANG, and Yan-Fei LIU, whose full post office addresses are 15 Macpherson Ave, Kingston, ON K7M 2W8; and 1064, Earnhart Street, Kingston, ON. K7P 3C2; respectively, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby sell and assign to 1622547 Ontario Inc. , a company organized under the laws of the Province of Ontario, whose full post office address is 1064, Earnhart Street, Kingston, Ontario, K7P 3C2, Canada (hereinafter **Company**) all our rights, title and interest, including priority rights, in and to our invention relating to **RESONANT GATE DRIVE CIRCUITS** as set forth in the application for Letters Patent of the United States of America executed concurrently herewith, in and for the United States of America, Canada, Great Britain and all countries foreign thereto in its name or in any name at its election.

We hereby covenant and agree that we will execute or procure any further necessary documents of the title to said invention and Letters Patents; and that we will, at any time, upon the request and at the expense of **Company**, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefor, to **Company**, we will, at any time, upon the request and at the expense of **Company**, testify in any legal proceedings, sign all lawful papers, execute any additional, divisional, substituting, continuing or reissue applications for patents for said invention, or any part or parts thereof, make all rightful oaths and generally do all lawful acts to aid **Company**, its successors, assigns or other legal representatives to obtain and enforce patent protection in said invention in all countries, without further compensation, but at the expense of **Company**, its successors, assigns or other legal representatives.

And we hereby authorize and request the Commissioner of Patents or the Comptroller (as the case may be) to issue any and all Letters Patent for said invention or resulting from said application, or from any division, reissue or extension thereof, to **Company** as our sole assignee.

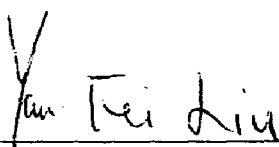
In testimony whereof I have hereunto set my hand:

this 26<sup>th</sup> day of January, 2005

  
Zhihua YANG

In testimony whereof I have hereunto set my hand:

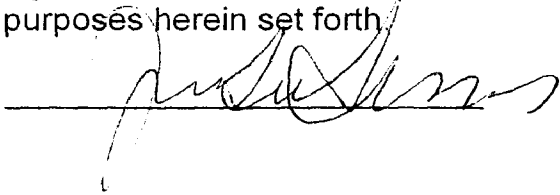
this 26<sup>th</sup> day of January, 2005

  
Yan-Fei LIU

## CERTIFICATES

City of Kingston )  
Province of Ontario)

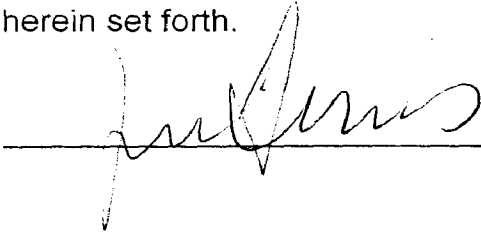
On this 26<sup>th</sup> day of January 2005 appeared before me in person the above Zhihua YANG and acknowledged the above to be his signature, and that he signed and delivered the above instrument as his voluntary act and deed for the purposes herein set forth.



Notary Public  
Province of Ontario

City of Kingston )  
Province of Ontario)

On this 26<sup>th</sup> day of January 2005 appeared before me in person the above Yan-Fei LIU and acknowledged the above to be his signature, and that he signed and delivered the above instrument as his voluntary act and deed for the purposes herein set forth.



Notary Public  
Province of Ontario