

FORM PTO-1595
(Rev. 6-93)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

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

1. Names of conveying parties:

1) BING CHENG
2) KENT M. HARMON
3)
4)
5)
6)

Additional names of conveying parties attached? Yes No

2. Name and address of receiving party:

Name: BALLARD POWER SYSTEMS CORPORATION

Internal Address: _____

Street Address: 15001 COMMERCE DRIVE NORTH

City: DEARBORN State MI

Zip: 48120

Additional names & addresses attached? Yes No

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Dates:

1) JULY 21, 2003 4) _____

2) JULY 18, 2003 5) _____

3) _____ 6) _____

4. Application number(s) or registration number(s):

If this document is being filed together with a new application,
the filing date of the application is _____

A. Patent Application No(s).
10/447,708

Additional numbers attached? Yes No

B. Patent No(s).

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Seed Intellectual Property Law Group PLLC

Internal Address: FRANK ABRAMONTE

Street Address: 701 Fifth Avenue, Suite 6300

City: Seattle State: WA ZIP: 98104-7092

6. Total number of applications and patents involved.....1

7. Total Fee (37 CFR 3.41):\$40

Enclosed

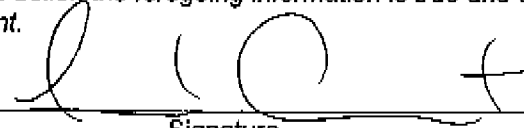
Authorized to be charged to deposit account

8. Deposit account number:

19-1090

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 true copy of the original document.

FRANK ABRAMONTE  7 OCT 03

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 3

CH \$40.00 191090 10447708

ASSIGNMENT

WHEREAS, we, Bing Cheng and Kent M. Harmon (hereinafter referred to as ASSIGNORS), having mailing addresses of 5073 Forestdale Drive, West Bloomfield, Michigan 48322, and 6405 Canmoor, Troy, Michigan 48098, respectively, are the joint inventors of an invention entitled "METHOD AND APPARATUS FOR MEASURING FAULT DIAGNOSTICS ON INSULATED GATE BIPOLAR TRANSISTOR CONVERTER CIRCUITS," as described and claimed in the specification for which an application for United States letters patent was filed on May 28, 2003, and assigned Application No. 10/447,708. This application claims the benefit of Provisional Application No. 60/383,822, filed on May 28, 2002.

WHEREAS, Ballard Power Systems Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 15001 Commerce Drive North, Dearborn, Michigan 48120, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United

Application No. 10/447,708

States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date 7-21-03
State of Michigan
County of Wayne

Bing Cheng
Bing Cheng

ss.

I certify that I know or have satisfactory evidence that Bing Cheng is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 7-21-03
Signature of Notary Public [Signature]
Printed Name Articia Garrison
My appointment expires 1/23/06

ARTICIA GARRISON
NOTARY PUBLIC WAYNE CO, MI
MY COMMISSION EXPIRES Jan 23, 2006

Date 7-18-03
State of MICHIGAN
County of WAYNE

Kent M Harmon
Kent M. Harmon

ss.

I certify that I know or have satisfactory evidence that Kent M. Harmon is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated July 18, 2003
Signature of Notary Public [Signature]
Printed Name VIDA SKIOTIS
My appointment expires July 13, 2005

C:\Nrc\Portb\NManage\ANGIEL\391440_1.DOC
(130209.479)