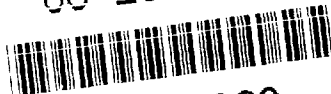


06-26-2003



102482960

To the Honorable Commissioner of P.

Please record the attached original document or copy thereof.

1. Names of conveying parties:

- 1) LIZHI ZHU
- 2) XINGYI XU 6-24-03
- 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) APRIL 9, 2003 4) \_\_\_\_\_
- 2) MAY 19, 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).

10/345,894

B. Patent No(s).

Additional numbers attached?  Yes  No

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

Name: Seed Intellectual Property Law Group PLLC

Internal Address: DALE R. COOK

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

06/25/2003 ECDOOPER 00000036 10345894

01 FC:8021

40.00 OP

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.

DALE R. COOK

Name of Person Signing

Signature

20 Jun 2003

Date

Total number of pages including cover sheet, attachments, and document: 4

## ASSIGNMENT

WHEREAS, we, Lizhi Zhu and Xingyi Xu (hereinafter referred to as ASSIGNORS), having mailing addresses of 48580 Greenwich Circle, Canton, Michigan 48188, and 48655 Manhattan Circle, Canton, Michigan 48188, respectively, are the joint inventors of an invention entitled "DEVICE AND METHOD OF COMMUTATION CONTROL FOR AN ISOLATED BOOST CONVERTER," as described and claimed in the specification for which an application for United States letters patent was filed on January 15, 2003, and assigned Application No. 10/345,894. This application claims the benefit of Provisional Application No. 60/319,070, filed on January 16, 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

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.

4/9/03  
Date

Lizhi Zhu  
Lizhi Zhu

State of Michigan )

County of Wayne )

ss.

I certify that I know or have satisfactory evidence that Lizhi Zhu 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 4-9-03

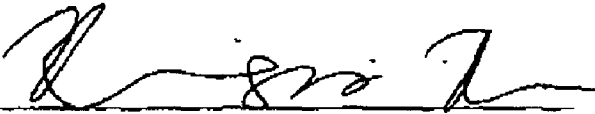
Signature of Notary Public Ameerah Smith

Printed Name Ameerah Smith

My appointment expires 7-21-06

**AMEERAH SMITH  
NOTARY PUBLIC WAYNE CO., MI  
MY COMMISSION EXPIRES JUL 21, 2006**

5/19/2003



Date \_\_\_\_\_

Xingyi Xu

State of \_\_\_\_\_ )

County of \_\_\_\_\_ )

ss.

I certify that I know or have satisfactory evidence that Xingyi Xu 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 \_\_\_\_\_

Signature of Notary Public \_\_\_\_\_

Printed Name \_\_\_\_\_

My appointment expires \_\_\_\_\_

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(130709 464)