

01-24-2001



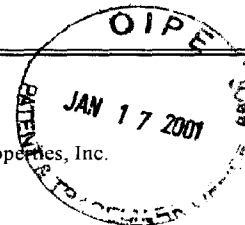
U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Docket No.: 98-044

To the Honorable Commissioner of Patents and Trademarks

101592545

Transmits or copy thereof.

1/17/01



<p>1. Name of conveying party(ies): Virginia Polytechnic Institute and State University</p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>3. Nature of Conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: November 30, 2000</p>		<p>2. Name and address of receiving party(ies): Name: Virginia Tech Intellectual Properties, Inc. Internal Address: Street Address: 1872 Pratt Drive, Suite 1625 City: Blacksburg State: Virginia</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>	
<p>4. Application number(s) or patent number(s): Title: SOFT-SWITCHED QUASI-SINGLE-STAGE (QSS) BI-DIRECTIONAL INVERTER/CHARGER If this document is being filed together with a new application, the execution date of the application is _____</p> <p>A. Patent Application No(s). 09/648,114 filed on August 25, 2000 B. Patent No(s). _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Michael E. Whitham, Esq. McGuireWoods LLP 1750 Tysons Boulevard McLean, Virginia 22102</p>		<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): <u>\$ 40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: 23-1951</p>	
<p>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.</p> <p><u>Michael E. Whitham</u> <u>January 17, 2001</u> Name of Person Signing Signature Date</p> <p>Total number of pages including cover sheet: <u>2</u></p>			

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PATENT & TRADEMARK OFFICE

ASSIGNMENT OF INVENTION

WHEREAS, Virginia Polytechnic Institute and State University, (hereinafter referred to as ASSIGNOR), an institute of higher education organized under the laws of the Commonwealth of Virginia, having an office and principle place of business in Blacksburg, Virginia, is the owner of the entire right, title and interest in and to application for United States Letters Patent Serial No. 09/ , filed on , in the names of Kunrong Wang and Fred C. Lee for **SOFT-SWITCHED QUASI-SINGLE-STAGE (QSS) BI-DIRECTIONAL INVERTER/CHARGER**, and of the invention therein described; and .

WHEREAS, Virginia Tech Intellectual Properties, Inc. (hereinafter referred to as ASSIGNEE), a non-stock corporation organized under the laws of the Commonwealth of Virginia and having a principal place of business at 1872 Pratt Drive, Suite 1625, Blacksburg, VA 24060, is desirous of acquiring the entire right, title and interest in, to and under said application and said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, ASSIGNOR has caused the hand of its proper office to be subscribed hereto this 30 day of November, 2000.

Witnessed by:

1 - [Signature]

VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY

[Signature]
By: M. NIS E. RIDENOUR, EXEC. VP