

08-06-2003

FORM PTO-1595
(Modified)

R



102517367

R

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Attorney Docket No. NLR-35279

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

1. Name of conveying party(ies): Arthur G. Birchenough	2. Name and address of receiving party(ies): The United States of America as represented by the Administrator of the National Aeronautics and Space Administration Washington, D.C.
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: Execution Date: <u>July 24, 2003</u>	
4. Application number(s) or patent number(s): <u>10629875</u> If this document is being filed together with a new application, the execution date of the application is: <u>July 24, 2003</u> A. Patent Application No(s): B. Patent No(s):	
5. Name and address of party to whom correspondence concerning document should be mailed: John P. Murtaugh Pearne & Gordon, LLP 526 Superior Avenue, East, Ste. 1200 Cleveland, Ohio 44114-1484	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 C.F.R. §§ 1.21(h), 3.41): <u>\$ 40.00</u> <input checked="" type="checkbox"/> Included with application. <input type="checkbox"/> Authorized to be charged to deposit account. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to credit any overpayment or to charge any fee deficiencies under 37 C.F.R. § 1.21(h) to our deposit account. 8. Deposit account number: <u>16-0280</u>

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.

<u>Robert F. Bodi, Reg. No. 48,540</u> Name of Person Signing	 Signature	<u>July 25, 2003</u> Date
--	---------------	------------------------------

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:
Commissioner for Patents
MAIL STOP PATENT APPLICATION
P.O. Box 1450
Alexandria, VA 22313-1450

17354 U.S. PTO
10/629875
07/26/03

7/31/2003 HDEMESS1 00000047 160820 10629875

01 FC:8021

40.00 OP

PATENT
REEL: 014339 FRAME: 0410



Assignment to the Government (by Government Employee)

Title of Invention: SERIES CONNECTED BUCK BOOST CONVERTER

Inventor(s): ARTHUR G. BIRCHENOUGH

NASA Case No.: LEW-17353-1 Application No.*: _____ Filing Date*: _____

WHEREAS, the parties to this Assignment and Agreement are the undersigned inventor(s) and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration;

WHEREAS, the making of this Assignment and Agreement is in accordance with 37 CFR Part 501; and

WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for United States Patent on the above-entitled invention.

NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

1. Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.

2. Agree to grant to the Government my (our) full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as amended. If the Government chooses not to file an application in any foreign country, I (we) may request rights in that country, in accordance with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a nonexclusive, irrevocable, royalty-free license in the invention with power to grant licenses for all governmental purposes. The terms of such reservation will appear, where practicable, in any foreign patent which may issue on such invention.

3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.

*4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

Arthur G. Birchenough
(Signature of Inventor)

07/24/2003
(Date Assignment Executed)

07/24/2003
(Date Application Executed)

Arthur G. Birchenough
(Inventor's Typed Name)

23250 Cedar Point Rd., Brookpark, OH 44142 U.S.A.
(Mailing Address - Including Country)

(Signature of Inventor)

(Date Assignment Executed)

(Date Application Executed)

(Inventor's Typed Name)

(Mailing Address - Including Country)

(Signature of Inventor)

(Date Assignment Executed)

(Date Application Executed)

(Inventor's Typed Name)

(Mailing Address - Including Country)