

9/11/03

Docket No.: 14354.11.1

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
P08A/REV03

09-22-2003

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U.S. DEPARTMENT OF COMMERCE  
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102555188

attached original documents or copy the

Tab settings To the Honorable Commissioner of Pat

1. Name of conveying party(ies):  
**Thomas W. Hedrick**

Additional names(s) of conveying party(ies)  Yes  No

2. Name and address of receiving party(ies):

Name: **Phillip Barry South**

Address: **3714 East 880 North**

3. Nature of conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other **50% interest**

Execution Date: **September 8, 2003**

City: **Menan** State/Prov.: **Idaho**

Country: **USA** ZIP: **83434**

Additional name(s) & address(es)  Yes  No

4. Application number(s) or patent numbers(s): **10/660148**

If this document is being filed together with a new application, the execution date of the application is: **September 11, 2003**

Patent Application No.	Filing date	B. Patent No.(s)
09/15/2003 HMARZ11 00000012 10660148		
04 FD:802:	40.00 DP	

Additional numbers  Yes  No

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

7. Total fee (37 CFR 3.41):.....\$ **40.00**

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

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

Name: **Dana L. Tangren**

Registration No. **37,246**

Address: **022913**

**PATENT TRADEMARK OFFICE**  
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8. Deposit account number: **23-3178**

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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.*

**Dana L. Tangren** \_\_\_\_\_ **9/11/03** \_\_\_\_\_  
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and

**3**

Mail documents to be recorded with required cover sheet information to:  
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**PATENT**  
**REEL: 014492 FRAME: 0946**

Workman, Nydegger & Seeley  
1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111

ASSIGNMENT

I,

Thomas W. Hedrick  
102 Larkspur Lane  
Sikeston, Missouri 63801

am an inventor of a method and apparatus entitled MASS FLOW HOPPER AND METHOD OF MANUFACTURE, hereinafter called the "invention." Preferred embodiments of said invention are disclosed in a United States patent application executed concurrently herewith.

The Assignee, Phillip Barry South, an individual residing at 3714 East 880 North, Menan, Idaho 83434, desires to secure an undivided interest in my entire right, title and interest in said invention.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to me by the Assignee, the receipt and sufficiency of which I hereby acknowledge, I HEREBY ASSIGN TO THE ASSIGNEE:

A 50% undivided interest in my entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and Foreign countries.

The right to file foreign patent applications on said invention in his own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

I hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their

patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the 50% undivided interest, for the sole use and behalf of the said Assignee, its successors, assigns and legal representatives.

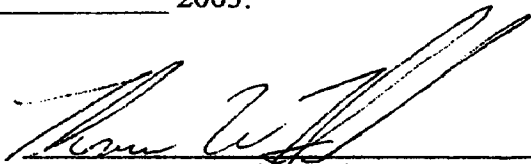
I hereby agree, without further consideration and without expense to me, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of me to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of my ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

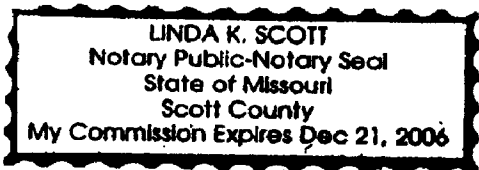
This assignment and agreement shall be binding upon my heirs and legal representatives.


DATED this 8 day of Sept 2003.

  
\_\_\_\_\_  
Thomas W. Hedrick

STATE OF Missouri )  
  : ss.  
COUNTY OF Scott )

On Sept. 8, 2003, before me personally appeared Thomas W. Hedrick, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.



  
\_\_\_\_\_  
NOTARY PUBLIC  
Residing at Sikeston mo 63801

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