

08-22-2003

Atty. Docket No. 1604-458

Form PTO-1595

(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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

1. Name of conveying party(ies):

81-03

Thomas Ulrich Kampe
Brian R. Johnson

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: 08/01/03

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

Name: Ball Aerospace & Technologies Corp.

Internal Address:

Street Address: 1600 Commerce Street

City: Boulder State: CO Zip: 80301

Additional name(s) & Address(es) attached? Yes No

19507 U.S. PTO
10/638468

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

10633468

If this document is being filed together with a new application, the execution date of the application is: 08/01/03

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Bradley M. Knepper
SHERIDAN ROSS P.C.
1560 Broadway, Suite 1200
Denver, CO 80202-5145

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 19-1970

(Attach duplicate copy of this page if paying by deposit account)

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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.

Bradley M. Knepper
Reg. No. 44,189

Bradley M. Knepper
Signature

August 1, 2003
Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, Virginia 22313-1450

08/21/2003 JYALLANR 00000008 10633468

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PATENT
REEL: 014401 FRAME: 0376

ASSIGNMENT

WHEREAS, we, Thomas Ulrich Kampe, of 4630 Kirkwood Street, Boulder, Colorado 80301, and Brian R. Johnson, of 2555 Clayton Circle, Superior, Colorado 80027, have invented a certain new and useful invention entitled "FIELD CONDENSING IMAGING SYSTEM FOR REMOTE SENSING OF ATMOSPHERIC TRACE GASES", for which an application for Letters Patent of the United States has been prepared for filing, said application being identified as Attorney File No. 1604-458 and executed on even date herewith,

NOW THEREFORE, be it known that we, the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Ball Aerospace & Technologies Corp., a Delaware corporation having a place of business at 1600 Commerce Street, Boulder, Colorado 80301, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty, and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; we also assign any right, title or interest in and to the invention which has not already been transferred to the assignee; we warrant that we have made no assignment of the invention, application or patent therefor to a party other than Ball Aerospace & Technologies Corp. and we are under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

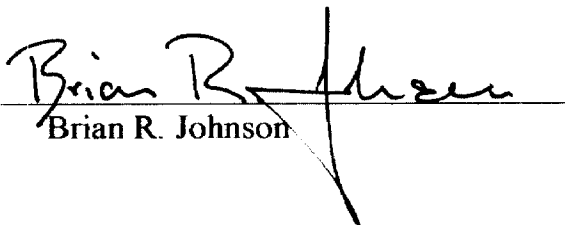
The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Ball Aerospace & Technologies Corp., its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Date: 8-1-03

By: 
Thomas Ulrich Kampe

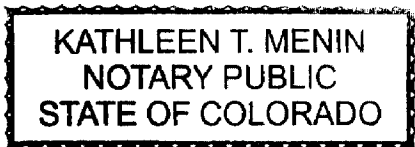
Date: 8-1-03

By: 
Brian R. Johnson

STATE OF COLORADO)
COUNTY OF Boulder) ss.

Before me, a Notary Public in and for said County and State, personally appeared Thomas Ulrich Kampe, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 1st day of August, 2003.



My Commission Expires Nov. 28, 2005

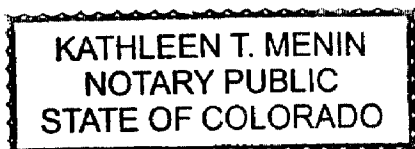
Kathleen T. Menin
Notary Public

My Commission Expires: November 28, 2005

STATE OF COLORADO)
COUNTY OF Boulder) ss.

Before me, a Notary Public in and for said County and State, personally appeared Brian R. Johnson, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 1st day of August, 2003.



My Commission Expires Nov. 28, 2005

Kathleen T. Menin
Notary Public

My Commission Expires: November 28, 2005