

08-30-2000

FORM PTO-1595

(Rev. 6-93)

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SHEET

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OMB No. 0651-0011 (exp. 4/94)

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To the Assistant Commissioner for Patents:  
Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

XIA, Yongming

THOMPSON, James E.

DEVINE, Jeffrey S.

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

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: July 19, 2000; July 14, 2000; and  
July 18, 2000, respectively

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

Name: Ashbrook Corporation

Internal Address: \_\_\_\_\_

Street Address: 11600 East HardyCity: HoustonState: Texas ZIP: 77093Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application,  
the execution date of the application is: \_\_\_\_\_

## A. Patent Application No.(s)

09/553,511, filed April 20, 2000

## B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: John W. McIlvaineInternal Address: Webb Ziesenheim LogsdonOrkin & Hanson, P.C.Street Address: 700 Koppers Building436 Seventh AvenueCity: Pittsburgh State: PA ZIP: 15219-1818

## 6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

(Attach triplicate 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.

John W. McIlvaine

Name of Person Signing

Registration No. 34,219

Signature

July 27, 2000

Date

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

Mail documents to be recorded with required cover sheet information to:  
Assistant Commissioner for Patents, U.S. Patent and Trademark Office  
Office of Public Records, Crystal Gateway 4, Room 335  
Washington, D.C. 20231

**PATENT**  
**REEL: 011026 FRAME: 0309**

## ASSIGNMENT

WHEREAS, We, Yongming Xia, James E. Thompson and Jeffrey S. Devine, residing in Kingwood, Harris County, Texas; The Woodlands, Harris County, Texas; and The Woodlands, Harris County, Texas, respectively have invented certain new and useful improvements in "Vertical Filter" which is the subject of an application for United States Letters Patent filed April 20, 2000, bearing Serial No. 09/553,511.

AND, WHEREAS, Ashbrook Corporation, a corporation of the State of Texas, having a place of business at 11600 East Hardy, Houston, Texas 77093, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to us by said assignee, the receipt of which is hereby acknowledged, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Assistant Commissioner for Patents is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree that we will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the

rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED

19 July, 2000 Yongming Xia  
Yongming Xia

EXECUTED

14 July, 2000 James E. Thompson  
James E. Thompson

EXECUTED

18 July, 2000 Jeffrey S. Devine  
Jeffrey S. Devine