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MAR 20 1998

FORM PTO-1595  
(Rev. 6-93)  
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03-25-1998

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To the Honorable Commiss

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he attached original documents or copy thereof.

1. Name of conveying party(ies):

Arch Ray Clark

2. Name and address of receiving party(ies)

Name: A.W. Chesterton CompanyInternal Address: Middlesex Industrial ParkAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance

MRD 3-20-98

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Street Address: 225 Fallon RoadCity: Stoneham State: MassachusettsZIP: 02180Execution Date: March 5, 1998Additional 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)

08/912,558, filed August 18, 1997

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Ralph A. Loren, Esq.Internal Address: Lahive & Cockfield, LLPStreet Address: 28 State StreetCity: Boston State: MA ZIP: 02109

6. Total number of applications and patents involved:

one

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

8. Deposit account number:

12-0080

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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.

Anthony A. Laurentano, Reg. No. 38,220

Name of Person Signing

Signature

Date

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

2

03/25/1998 TTON11 00000056 06912338 Mail documents to be recorded with required cover sheet information to:  
01 FC:561 40.00 0P Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT

REEL: 9051 FRAME: 0492

ASSIGNMENT

I, **Arch Ray Clark**, of **Rockport, Massachusetts**, in consideration of One Dollar and other valuable consideration paid to me by

**A. W. CHESTERTON COMPANY**

a corporation of **Massachusetts**, having its principal place of business at **Middlesex Industrial Park, 225 Fallon Road Stoneham, Massachusetts 02180**, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

**A. W. CHESTERTON COMPANY**

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

**METHOD AND APPARATUS FOR OPTIMIZING BARRIER FLUID FLOW FOR PROMOTING COOL RUNNING OF A CARTRIDGE DUAL SEAL**

described in an application Serial No. **08/912,558**, filed **August 18, 1997**, in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 5<sup>th</sup> day of March, 1998.

By: Arch Ray Clark  
**Arch Ray Clark**

Commonwealth of **Massachusetts** )  
 )ss  
County of Essex )

Then personally appeared the above named **Arch Ray Clark** and acknowledged the foregoing instrument to be her free act and deed, before me, this 5<sup>th</sup> day of March, 1998.

Edmund Hurley  
Notary Public

My commission expires: 8/1/97