

03-02-1999

RECORD



100977252

To the Honorable Commissioner of Patents and Trademarks

all documents or copy thereof.

1. Name of conveying party(ies)

SEAN A. SMITH

receiving party(ies):

Name: AMERICAN STANDARD INC.

Internal Address:

Street Address: ONE CENTENNIAL AVENUE

City: PISCATAWAY State: NJ ZIP: 08855

Additional name(s) & address(es) attached: NO

Additional name(s) of conveying party(ies) attached? NO

3. Nature of conveyance:

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

Execution Date: FEBRUARY 18, 1999

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: FEBRUARY 18, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? NO

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

Name: WILLIAM O'DRISCOLL

Internal Address: PATENT DEPARTMENT - 12-1

Street Address: THE TRANE COMPANY

3600 PAMMEL CREEK ROAD

City: LA CROSSE State: WI ZIP: 54601

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: 20-1434

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

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.

WILLIAM O'DRISCOLL

Name of Person Signing

William O'Driscoll 2/18/99  
 Signature Date

03/02/1999 DNGUYEN 00000054 201434 09069788

01 FC:581 40.00 CH

Total number of pages comprising cover sheet: 1

Do not detach this portion

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

Commissioner of Patents and Trademarks  
 Box Assignments  
 Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

PATENT  
 REEL: 9784 FRAME: 0394

**WHEREAS, SEAN A. SMITH** of **LA CROSSE**, in the County of **LA CROSSE** and the State of **WISCONSIN**, has invented certain new and useful improvements in **USE OF ELECTRONIC EXPANSION VALVE TO MAINTAIN MINIMUM OIL FLOW** for which he has made application for Letters Patent of the United States of America;

**AND WHEREAS**, American Standard Inc., a corporation of Delaware having a principal place of business in the city of Piscataway, County of Middlesex and State of New Jersey, desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the United States;

**NOW THEREFORE**, be it known by all whom it may concern, that, for and in consideration of One Dollar (\$1.00) and other valuable consideration to me in hand paid, the receipt of which is hereby acknowledged, I have assigned, sold, and set over, and by these presents do assign, sell, and set over unto the said American Standard Inc. for the territory of the United States of America, and for all foreign countries, the full and exclusive right, title, and interest in and to the said invention, as fully set forth and described in **U.S. PATENT APPLICATION SERIAL NUMBER 09/069,788 FILED ON APRIL 29, 1998**, as executed by myself on, **FEBRUARY 18, 1999**, preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be held and enjoyed by the said American Standard Inc. for their own use and behoof, and for its legal representatives to the full end of the term for which said Letters Patent are granted, as fully and entirely as the same would have been held by myself had this assignment and sale not been made.

IN TESTIMONY WHEREOF, I hereunto set my hand and affix my seal at  
LA CROSSE, State of WISCONSIN, this 18th day of FEBRUARY A.D. 1999.

Signed, sealed and delivered in the presence of:

*Witnesses*

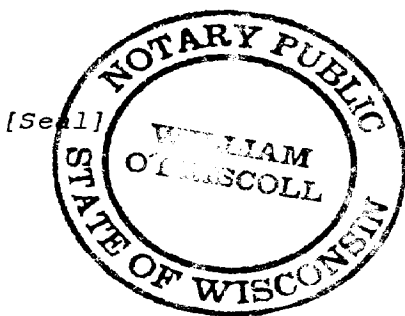
Ellen J. Kruse  
Anus R. Post

*Inventors*

Sean A. Smith [Seal]

State of **WISCONSIN** )  
 ) ss.  
County of **LA CROSSE** )

Before me personally appeared said **SEAN A. SMITH** and acknowledged the foregoing instrument to be his free act and deed this **18th** day of **FEBRUARY**, **1999**.



*William O'Driscoll*  
 William O'Driscoll Notary Public  
 My Commission is Permanent

As a below named inventor, I hereby declare that:

my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am an original, a first and a joint inventor of the invention entitled: **USE OF ELECTRONIC EXPANSION VALVE TO MAINTAIN MINIMUM OIL FLOW**

described and claimed in the specification and application filed in the U.S. Patent Office on **April 29, 1998**, as **U.S. Serial Number 09/069,788**, that

I have reviewed and understand the contents of the specification including the claims, as amended by any amendment specifically referred to in the declaration, that

I do not know and do not believe the same invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than six months prior to this application, that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, in accordance with 37 CFR 1.56(a), and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows: NONE

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: **William J. Beres (Reg. No. 30,998); William O'Driscoll (Reg. No. 33,294); Peter D. Ferguson (Reg. No. 27,753); and Robert J. Harter (Reg. No. 32,031).**

Address all telephone calls to **William O'Driscoll** at telephone number **(608) 787-2538**.

Address all correspondence to: **The Trane Company, Patent Department - 12-1, 3600 Pammel Creek Road, La Crosse, Wisconsin 54601.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of joint inventor

SEAN A. SMITH

Inventor's Signature

Sean A. Smith

Date 2/18/1999

Residence

2110 MADISON STREET, LA CROSSE, WI 54601

Citizenship

UNITED STATES

Post Office Address

c/o The Trane Company, La Crosse, WI 54601