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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

) Cleveland, Ohio 44114  
November 29, 1999

jc530 U.S. PTO

09/451181

11/29/99

PATENT  
REEL: 010430 FRAME: 0532

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

Jay F. Moldovanyi  
Reg. No. 29,678  
FAY, SHARPE, FAGAN  
MINNICH & McKEE, LLP  
1100 Superior Avenue, Seventh Floor  
Cleveland, Ohio 44114-2518

6. One patent application is involved.
7. Amount of fee enclosed or authorized to be charged:  
\$ 40.00
8. Deposit Account Number (attached duplicate copy of this form if paying by Deposit Account): 06-0308.
9. The assignment shows it was signed on:  
November 18, 1999, David M. Brickner, John S. Murphy  
and Michael F. Wright  
November 24, 1999, Kyoshi Yokote
10. 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.

Total Number of pages including cover sheet (2 pages); and document (3 pages); Total: 5 pages.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
MINNICH & McKEE, LLP

29 Nov 1999

Date

Jay F. Moldovanyi  
Jay F. Moldovanyi  
Reg. No. 29,678  
1100 Superior Avenue  
Seventh Floor  
Cleveland, OH 44114-2518  
(216) 861-5582

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Date of Deposit: November 29, 1999

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Assistant Commissioner For Patents, Washington, D.C. 20231

[Signature]  
Signature  
JOHN S. MURPHY  
Print/type name

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**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned,

**David M. Brickner  
John S. Murphy  
Michael F. Wright  
Kyoshi Yokote**

who have created a certain invention for which an application for United States Letters Patent has been executed concurrently herewith and is entitled

**VACUUM CLEANER WITH ABOVE-FLOOR CLEANING TOOL**

Do hereby sell, assign and transfer to **ROYAL APPLIANCE MFG. CO.**, a corporation of the State of Ohio having a place of business 650 Alpha Drive, Cleveland, Ohio 44143, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions agreements, acts, and treaties;

Agree that **ROYAL APPLIANCE MFG. CO.**, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assigned, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF we have hereunto set OUR signature on the date indicated below.

\_\_\_\_\_  
**David M. Brickner**

Date \_\_\_\_\_

\_\_\_\_\_  
**John S. Murphy**

Date 11/18/99

\_\_\_\_\_  
**Michael F. Wright**

Date 11/18/99

\_\_\_\_\_  
**Kyoshi Yokote**

Date \_\_\_\_\_

RYL 2 591

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John S. Murphy  
Michael F. Wright  
Kyoshi Yokote**

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**COMBINATION BRUSHROLL AND  
NOZZLE INLET CONTROL MECHANISM**

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\_\_\_\_\_  
David M. Brickner

Date \_\_\_\_\_

\_\_\_\_\_  
John S. Murphy

Date 11/18/99

\_\_\_\_\_  
Michael F. Wright

Date 11/18/99

\_\_\_\_\_  
Kyoshi Yokote

Date 11/24/99

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RYL 2 592

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Michael F. Wright  
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David M. Brickner

Date

11/19/99

  
John S. Murphy

Date

11/18/99

  
Michael F. Wright

Date

11/18/99

  
Kyoshi Yokote

Date

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RECORDED: 11/29/1999

PATENT  
REEL: 010430 FRAME: 0536