

U.S. PATENT AND TRADEMARK OFFICE

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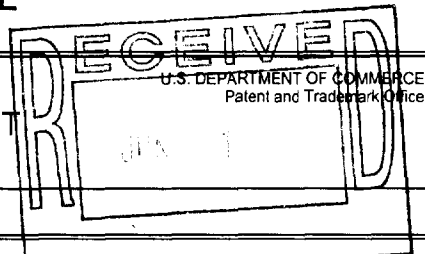
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To the Honorable Commissioner of Patents and Trademarks:

1. Name of conveying party(ies):

Cornelius T. deKam

Additional name(s) of conveying party(ies) attached?  yes  no

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

(2a.)

Name: Hakko Corporation

Address: 4-5, Shioukusa 2-chome, Naniwa-ku,  
Osaka, 556-0024 Japan

3. Name of Conveyance:

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

Execution Date: May 31, 1999

(2b.)

Name \_\_\_\_\_

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

Additional name(s) & address(es) attached?  yes  no

4. Application number(s) or patent number(s): U.S. Patent No. 4,822,979

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

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: Wayne M. Smith, Esq.

Internal Address: GRAHAM & JAMES LLP

Street Address: 801 S. Figueroa St., 14th Fl.

City: Los Angeles State: CA ZIP: 90017-5554

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: \_\_\_\_\_

(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.

Wayne M. Smith  
Name of Person Signing

Signature

June 17, 1999  
Date

06/23/1999 NTHA11 00000288 4822979

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

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

Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

# PATENT ASSIGNMENT

This is an assignment, effective as of May 31, 1999, of an issued United States letters patent, by an individual, Cornelius T. deKam (hereinafter "deKam"), an individual residing in the United States, in favor of Hakko Corporation (hereinafter "Hakko"), a corporation organized and existing under the laws of Japan.

WHEREAS, deKam has invented certain new and useful improvements relating to a temperature controlled soldering iron with a unitary electrically heated soldering tip and thermocouple as set forth in U.S. Patent No. 4,822,979 (the '979 Patent") issued April 18, 1989; and

WHEREAS, Hakko is desirous of acquiring all entire right, title and interest in said '979 Patent, including all rights with respect to any past infringement of said '979 Patent;

NOW, THEREFORE, in consideration of the payment by Hakko to deKam in the amount of \_\_\_\_\_ deKam hereby does sell, assign, transfer and set over, unto Hakko, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in and to the '979 Patent, including all rights with respect to any past infringement thereof, the same to be held and enjoyed by Hakko for its own use and behoof, as fully and entirely as the all rights in said '979 Patent would have been held and enjoyed by deKam, had this assignment not been made.

AND for the same consideration, deKam hereby covenants and warrants to Hakko, its successor, legal representatives and assigns, that, at the time of execution and delivery of these presents, that deKam is the sole and lawful owner of the entire right, title and interest in and to the '979 Patent above mentioned, and that the same are unencumbered, that deKam has not previously granted any license thereunder, that neither deKam nor any other person claims any shop right thereunder, that all maintenance fees coming due on the '979 Patent have been paid, and that deKam has good and full right and lawful authority to sell and convey the entire right, title and interest in and to the '979 Patent in the manner herein set forth.

AND for the same consideration, deKam hereby covenants and agrees to and with Hakko, its successors, legal representatives and assigns, that deKam will, whenever counsel of Hakko or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said '979 Patent is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of said '979 Patent. With respect to administrative formalities, deKam agrees to undertake these without charge to Hakko, its successors, legal representatives and assigns, but at the cost and expense of Hakko, its successors, legal representatives and assigns.

With respect to matters where any substantial expenditure of deKam's time is involved (including, but not limited to, preparation for and attendance at depositions, responding to discovery or testifying at trial), Hakko agrees to pay to deKam reasonable compensation for such time as deKam devotes to such matters.

AND for the same consideration, deKam hereby covenants and agrees to and with Hakko, its successors, legal representatives and assigns, that deKam will execute all necessary documents necessary to give legal effect to this Assignment, including any documents required by law to be filed with the United States Patent and Trademark Office.

EACH PARTY hereto affirms that it has been represented by counsel with respect to this Assignment, and has had a full opportunity to consult with counsel regarding any provision thereof.

Hakko Corporation

Cornelius T. deKam



Name: Hiroshi Yoshimura  
Title: Chairman of the board