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Docket No.: SAN0004-US

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P08A/REV03

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yasuhiro SASAKI
Toshinobu ISHIHARA

07-30-02

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

Name: HAKKO CORPORATION

Address: 4-5 SHIOKUSA 2-CHOME, NANIWA-KU,

OSAKA-SHI

J11017 U.S. PTO
29/164637

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

City: OSAKA State/Prov.:

Country: JAPAN ZIP:

Execution Date: JULY 15, 2002

Additional name(s) & address(es) Yes No

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

If this document is being filed together with a new application, the execution date of the application is: JULY 15, 2002

Patent Application No. Filing date

29/164637

B. Patent No.(s)

Additional numbers Yes No

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

Name: MICHAEL D. BEDNAREK

Registration No. 32,329

Address: SHAW PITTMAN LLP

1650 TYSONS BOULEVARD

City: MCLEAN State/Prov.: VA

Country: USA ZIP: 22102

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

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50-1390

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MICHAEL D. BEDNAREK

JULY 30, 2002

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2

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PATENT

REEL: 013144 FRAME: 0717

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Hakko Corporation

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

CLEANER FOR SOLDERING IRON

as set forth in his United States Patent Application

executed concurrently herewith

Executed on _____

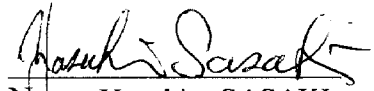
Serial No. _____ filed _____

in and to said United States Patent Application including any and all divisions or continuation thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to be full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

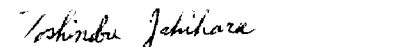
Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors, legal representatives or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.


Name: Yasuhiro SASAKI

July 15, 2002
Date:


Name: Toshinobu ISHIHARA

July 15, 2002
Date: