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1. Name of conveying party(ies): Takashi Nagase Masayuki Miyabe Takashi Uetani Norihisa Sekimori Yoshitomo Teraoka Takanori Naito Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance:	
Takashi Nagase Masayuki Miyabe Takashi Uetani Norihisa Sekimori Yoshitomo Teraoka Takanori Naito Additional name(s) of conveying party(les) attached? Name: Hakko Corporation Internal Address:	
Takashi Uetani Norihisa Sekimori Yoshitomo Teraoka Takanori Naito Additional name(s) of conveying party(ies) attached? Yes No 3 Nature of conveyance:	
Yoshitomo Teraoka Takanori Naito Additional name(s) of conveying party(ies) attached? Yes No 3 Nature of conveyance:	
Additional name(s) of conveying party(ies) attached? Yes No Nature of conveyance:	
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3. Nature of conveyance:	
S. Ivatare of conveyance.	
Assignment Merger	
Street Address:	
Osaka, JAPAN Other	
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Execution Date: February 16, 2004 Additional name(s) & address(es) attached? Additional name(s) & address(es)	
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:	
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10/719,001	
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PATENT REEL: 015012 FRAME: 0129

Docket: 47434-00056

ASSIGNMENT

WHEREAS, Takashi Nagase, residing at 7-2-13, Mamigaoka, Kashiba-city, Nara, Japan; Takashi Uetani, residing at 8-41-2, Ozaki-cho, Hannan-city, Osaka, Japan; Yoshitomo Teraoka, residing at 9-19-11 Tarui Sennan-city, Osaka, Japan; Takanori Naito, residing at 1-7-7-303 Ichiokamotomachi Minatoku Osaka-city, Osaka, Japan; Masayuki Miyabe, residing at 1-11-32-105 Shoutenshita Nishinariku Osaka-city, Osaka, Japan; and Norihisa Sekimori, residing at 4-14-16-401 Tezukayamanishi Sumiyoshiku Osaka-city, Osaka, Japan, the undersigned inventors and the ASSIGNORS herein, have made certain new and useful inventions in "SOLDERING IRON TIP AND METHOD OF MANUFACTURING SAME", for which we filed an application for Letters Patent of the United States, Application Serial No. 10/719,001, filed November 21, 2003, and of which inventions and improvements we are the owners; and

WHEREAS, Hakko Corporation, a corporation organized and existing under the laws of Japan, having a place of business at 4-5, Shiokusa, 2-chome, Naniwa-ku, Osaka, Japan, the ASSIGNEE herein, desires to acquire the entire right, title and interest in and to said inventions, applications and Letters Patent to be granted and issued thereon;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) by the ASSIGNEE to us paid, and other valuable consideration, the receipt and legal sufficiency of all of which is hereby acknowledged, we, the said ASSIGNORS, have sold and do hereby sell, assign, transfer and set over unto said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said inventions and all improvements thereon, in and to said application for Letters Patent thereon, in and to applications pertaining to or based upon said inventions and applications, including divisional and continuing applications and continuations—in-part, and in and to any and all Letters Patent which may be granted and issued on said inventions and applications, or any of them, not only for, to and in the United States of America, its territories and possessions, but for, to and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

And for the above-named considerations, we do hereby agree that we will, at the request of said ASSIGNEE, execute any and all applications for Letters Patent for said inventions and any and all other papers and documents and do all other and further lawful acts that said ASSIGNEE may deem necessary or desirable to obtain Letters Patent on said inventions, to secure the grant of such Letters Patent and to perfect and vest in the ASSIGNEE the entire right, title and interest in the inventions, applications and Letters Patent.

And for the above-named considerations, we do hereby authorize and empower the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, Letters Patent for the said inventions before competent International Authorities and in any and all

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countries foreign to the United States in which applications for Letters Patent can be so made or Letters Patent so obtained.

Dated: 16 102 1200 4 By T. Nagare

Takashi Nagase

Dated: 16 / 02 / 2004

By Tahashio Vetter

Takashi Uetani

Dated: 16 102 12004

By Y. Teracka

Yoshitomo Teraoka

Dated: 16/02/2004

By Maito

Takanori Naito

Dated: 16/02/2004 By Masayuki Miyabe

Dated: 16/02/2004 By Norihisa Sekimori

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RECORDED: 02/20/2004

2 of 2

PATENT REEL: 015012 FRAME: 0131