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Tab settings

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

1. Name of conveying party(ies): 10/15/02 APA Systems 5035 North Service Road, Suite 013 Burlington, Ontario L7L 5V2 Canada Individual(s) Association General Partnership Limited Partnership Corporation-State Other

2. Name and address of receiving party(ies) Name: Vesuvius Crucible Company Internal Address: Legal Department Street Address: 27 Noblestown Road City: Carnegie State: PA Zip: 15106 Individual(s) citizenship Association General Partnership Limited Partnership Corporation-State Delaware Other

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date:

4. Application number(s) or registration number(s): A. Trademark Application No.(s) B. Trademark Registration No.(s) 2,102,497

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Vesuvius Crucible Company Internal Address: Legal Department Street Address: 27 Noblestown Road City: Carnegie State: PA Zip: 15106

6. Total number of applications and registrations involved: 1 7. Total fee (37 CFR 3.41): \$ 40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 22-0281

9. Signature. 10/24/2002 DIAZI 00000054 220281 2102497 40.00 CH Anthony P. Iadicicco Name of Person Signing

Signature of Anthony P. Iadicicco

Date: 10/19/02

Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignments Washington, D.C. 20231

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