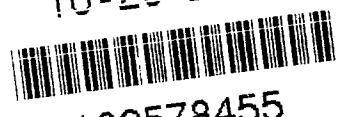


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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office



102578455

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

1. Name of conveying party(ies): Elisabeth Zimmerbeutel 9-26-03 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies) Name: Ferro GmbH Internal Address:

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: August 22, 2003

Street Address: Gutleutstrasse 215 City: Frankfurt/Main Country: Germany State: Zip: 60327 Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s): A. Patent Application No.(s) 10/398386 B. Patent No.(s) Additional numbers attached? Yes No

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to be charged to deposit account

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Kenneth A. Clark Internal Address: Rankin, Hill, Porter & Clark LLP Street Address: 925 Euclid Avenue, Suite 700 City: Cleveland State: Ohio Zip: 44115

8. Deposit account number: 060625 (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. Kenneth A. Clark Signature Date: September 24, 2003

Total number of pages including cover sheet, attachments, and documents: 2

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

PATENT REEL: 014594 FRAME: 0253

10/03/2003 6FREY1 00000115 060625 10398386 03 FC:8021

ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, the undersigned Elisabeth Clamer, Anne Kraus-Klapper, Andreas Schulz and Elisabeth Beutel hereby sell and assign to Ferro GmbH, a corporation of Germany having a place of business at Gutleutstrasse 215, 60327 Frankfurt/Main, Germany, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions in

NOBLE METAL PREPARATION AND USE THEREOF FOR PRODUCTION OF NOBLE METAL DECORATIONS BY MEANS OF DIRECT AND INDIRECT PRINTING

set forth in application for United States Letters Patent filed 7 April 2003, Serial No. 10/398386 said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

Attested by:

Signed:

Dated:

X
Elisabeth Clamer

X
Anne Kraus-Klapper

X
Andreas Schulz

Eritho-Held

X *Elisabeth Zimmerbecht* 22.08.03
Elisabeth Beutel