



ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Attorney Docket GIU 0124

WHEREAS Thomas KLEIN of Heidelberg, Thomas STAFFEL of Gruenstadt and Lysander FISCHER of Rauenberg, all of Germany

hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to AQUEOUS RUTHENIUM CHLORIDE SOLUTION FOR BLACKENING CERAMIC SURFACES

for which said assignor has caused an application for United States Letters Patent to be prepared,

[ ] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[ ] said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_, Serial Number [if known] \_\_\_\_\_

[X] said application having been filed under the Patent Cooperation Treaty on June 13, 1997 Serial No. PCT/EP97/03087, the United States of America being designated.

AND WHEREAS BK Giulini Chemie GmbH & Co. OHG, Giulinistrasse 2, D-67065 Ludwigshafen, Germany

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any all divisions and continuations thereof, and the said invention and any all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 15 day of February, 1998.

WITNESSES: Signature: [Signature] Name: Dr. Potkus, R. J. Address: [Address]

Signature: [Signature] Name: Dr. E. [Name] Address: [Address]

ASSIGNOR: Signature: [Signature] Name: Thomas KLEIN

Identification of Application Under CFR 3.21 I hereby certify that the Patent and Trademark Office has advised that the application identified herein has been assigned Application No. 09/011,898

Date Ashley J. Wells Registration No. 29,847 - Continued on Page 2 -

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EXECUTED, this 19 day of February, 1998.

WITNESSES:

Signature: [Signature]

Name: Dr. Polycarpos M. Titos

Address: 67025 Woodway Square

Greenbelt 2

Signature: [Signature]

Name: Dr. E. Rosendo

Address: 67025 Woodway Square

Greenbelt 2

ASSIGNOR:

Signature: [Signature]

Name: Thomas STAFFEL

EXECUTED, this 19 day of February, 1998.

WITNESSES:

Signature: [Signature]

Name: Dr. Polycarpos M. Titos

Address: 67025 Woodway Square

Greenbelt 2

Signature: [Signature]

Name: Dr. E. Rosendo

Address: 67025 Woodway Square

Greenbelt 2

ASSIGNOR:

Signature: [Signature]

Name: Lysander FISCHER