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Conveying Party	y(ies)	Mark If	additional names	of conveying parti	es attached	Month Day Year
Name (line 1)	Thomas Kruse					05/21/01
						Execution Date Month Day Year
Second Party						
Name (line 1)	Peter Meisterjahn					05/21/01
•				···		
Name (line 2)						
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Name (line 1)	Ewald Dorken	AG (a Germ	an joint stoc	ck company)		s an assignment and the
Name (line 2)						eceiving party is not iomiciled in the United
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Name	Snell & Wilmer	L.L.P.				\$ 22
Address (lin e 1)	One Arizona Ce	ntor.				- <u></u>
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Address (line 2)	400 E. Van Bur	en		·		
Address (line 3)	Phoenix, Arizoi	1a 85004-22	02			δ.
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PATENT Serial No. 10/852,870

FORM PTO-1619B Expires 06/30/89 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Tredemark Office PATENT	
Correspondent	Name and Address Area Code and Telephone Number	(602) 382-6337	
•	Damon L. Boyd		
Address (line 1)	SNELL & WILMER, L.L.P.		
A alabases			
Address (IIne 2)	One Arizona Center		
Address (line 3)	400 East Van Buren		
Address (Ilne 4)	ss (line 4) Phoenix, Arizona 85004-2202		
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Application Nur	nber(s) or Patent Number(s) Mark if addit	tional numbers attached	
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Patent	Application Number(s) Patent N	umber(s)	
10/852,870			
If this document is being filed together with a <u>new Patent Application</u> , enter the date the patent application was <u>Month Day Year</u> signed by the first named executing inventor.			
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Enter PCT application number PCT PCT PCT			
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Number of Properties Enter the total number of properties involved. # 1			
Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00			
Method of Payment: Enclosed ☐ Deposit Account ⊠			
(Enter for payment by deposit account or if additional fees can be charged to the account.)			
Deposit Account Number: # 19-2814			
Authorization to charge additional fees: Yes 🗵 No 🗌			
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. Charges to deposit account are authorized, as indicated herein.			
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Damon L. Boyd, Re	eg. No. 44,552 Signature	Date Date	

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ASSIGNMENT

Whereas We, the undersigned,

Thomas Kruse Spissenagelstrasse 94 DE-44229 Dortmund Germany

and

Peter Meisterjahn, Prof.Dr. Saatweg 70 DE-58644 Iserlohn Germany

have invented new and useful improvements in a

Method For Darkening A Superficial Layer Which Contains Zinc And Which Is Of A Material Piece

for which international patent application PCT/EP99/10036 has been filed on December 17, 1999 with destination of the United States and the issue of Letters Patent of the United states has been seeked for the subject of the invention and improvements therein described and claimed;

Whereas, Ewald Dorken AG, a German joint stock company, having its principal place of business at Wetterstrasse 58, 58313 Herdecke, Germany, is desirous of acquiring the entire right, title and interest in and to the said application and the invention therein described and claimed and any Letters Patent that may be issued upon said application or for the improvements therein contained;

Now, therefore, for and in consideration of the sum of One Dollar (\$ 1.00) and other valuable considerations, to us in

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PATENT REEL: 016379 FRAME: 0518

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hand paid, the receipt whereof is hereby acknowledged, we, the said Thomas Kruse and Peter Meisterjahn have sold, assigned and transferred and do hereby sell, assign and transfer, unto the said Ewald Dorken AG, its successors and assigns, the entire right, title and interest in and to the said application and the invention therein contained and any Letters Patent that may be issued thereon or therefore, in the United States, and all reissues, extensions, renewals, divisions and continuations thereof, to the full end of the term or terms for which said Letters Patent may be issued, same to be held and enjoyed by the said Ewald Dörken AG, its successors and assigns, the same as it would have been held and enjoyed by us if this assignment had not been made.

And we hereby authorize and request the Commissioner of Patents and Trade Marks to issue all such Letters Patent to the said Ewald Dörken AG in accordance with this instrument of assignment.

We further covenant and agree, in consideration of the premises that we, our executors and administrators, will execute and deliver to the said Ewald Dörken AG, its successors and assigns, any further documents or instruments, and do any and all further acts that may be deemed necessary by the said Ewald Dörken AG, its successors and assigns, to file applications for the said invention and improvements in the United States and that may be necessary to vest in the said Ewald Dörken AG, its successors and assigns, the title herein conveyed or intended so to be and to enable such title to be recorded in the United States.

And we further covenant and agree, in consideration of the premises that we, our executors and administrators, will at any time, upon request, communicate to the said Ewald Dörken AG, its_successors and assigns, any facts relating to the

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PATENT REEL: 016379 FRAME: 0519 - 3 -

said invention and improvements and the history thereof, known to us or to our executors or administrators, and that we will testify as to the same in any interference or other litigation when requested so to do by the said Ewald Dörken AG, its successors and assigns.

In testimony whereof, we have hereunto set our hand. This 21st day of May 2001

(Thomas Kruse)

In the presence of:

Ongolika Doike Barbel Dout

(Peter Meisterjahn)

In the presence of:

Angelika Noike Banbel Daut

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	^ 06-02-2004	
FORM PTO-1619A Expires 06/30/99 OMB 0651-0027		
	102756013 RECURPATION FORM COVER SHEET	
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Conveying Part	ty(ies) Mark if additional names of conveying parties attached Execution Do Month Day	
Name (line 1)	Thomas Kruse 05/21/01	
1	Execution Da	ata
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Second Party Name (line 1)	Peter Meisterjahn 05/21/01	
Name (line 2)	10062 8	7/)
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Name	Snell & Wilmer L.L.P.	
Address (lin e 1)	One Arizona Center	
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FORM PTO-1619B Expires 06/30/09 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT			
Correspondent	Name and Address Area Code and Telephone Nu	nber (602) 382-6337			
<u> </u>	Damon L. Boyd				
Address (line 1)	SNELL & WILMER, L.L.P.				
Address (IIne 2)	One Arizona Center				
Address (line 3)	400 East Van Buren				
Address (line 4)	Phoenix, Arizona 85004-2202				
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Application Nun	nber(s) or Patent Number(s)	if additional numbers attached			
Enter either th	e Patent Application Number of the Patent Number (DO NOT ENTER BOTH	numbers for the same property),			
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		Martin D. M.			
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Number of Properties Enter the total number of properties involved. # 1					
Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00					
Method of Payment: Deposit Account Deposit Account Deposit Ac					
(Enter for payment by deposit account or if additional fees can be charged to the account.)					
	Deposit Account Number:	# 19-2814			
Authorization to charge additional fees: Yes No 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. Charges to deposit account are authorized, as indicated herein.					
Damon L. Boyd, Reg. No. 44,552 Name of Person Signing Signature Zeo 4 Date					

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RECORDED: 06/21/2005

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