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Conveying Party(ies)  1. Robert D. Swain  2. Ralph A. Stanziola  3.  4.  5.  6.  Mark if Additional Names of Conveying Party	g Parties Attache	d	Execution Date( July 15, 1999 July 15, 1999	(s)			
Name Chroma Corporation Name Address 3900 Dayton Street Address Address McHenry City Mark if Additional Names of Receiving	<u>Illinois</u> State/Cou g Parties Attached		<u>60050</u> Zip Code				
John M. Augustyn Leydig, Voit & Mayer, Ltd. Two Prudential Plaza, Suite 4900 Chicago, Illinois 60601-6780  Pages Enter the total number of page	/-1		Mark it additional	616-5700 No. 213256 ttachments: 4 numbers attached			
Application Number(s) or Patent Number(s)  Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).							
Patent Application Number	ers		Patent Numbers				
10027898							
If this document is being filed together wir application was signed by the first named	th a <i>new</i> Patent A executing invento	pplication, enter the cor.	late the patent	Month Day Year July 15, 1999			
Patent Cooperation Treaty (PCT) Enter PCT application number only if a U Number has not been assigned.		PCT	PCT	PCT			
Number has not been assigned:		PCT	PCT	PCI			
		Enter the t	otal number of pro	perties involved: 1			
Number of Properties  Fee Amount  Fee Amount for Properties Listed (37 CFR 3.41): \$40.00  Method of Payment:  Enclosed is a check in the amount of \$744.00 (\$704.00 filing application; \$40.00 recording assignment).  Charge Deposit Account No. 12-1216  Authorization to Charge Additional Fees to Deposit Account No. 12-1216:   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.							
ado oopy or many	LIMN .		October 19, 200	11			
John M. Augustyn Name of Person Signing	Sig	gnature		Date			

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PATENT REEL: 012413 FRAME: 0132

Leydig, Voit & Mayer, Ltd. Attorneys at Law Two Prudential Plaza Suite 4900 180 North Stetson Chicago, Illinois 60601-6780 Attorney Docket 200516

## ASSIGNMENT

WHEREAS, WE, Robert D. Swain, of 27340 West Hickory Ridge, Lake Barrington, Illinois 60010 and Ralph A. Stanziola, of 410 Clover Court, Neshanic Station, New Jersey 08853, respectively, have invented and own a certain invention entitled:

## METHOD OF DETERMINING WEAR

United States patent, which was filed on, under Serial No, and	for	which	h inver	ntion we	e have	executed	i an	application	n (provisional	or	non-provi	isional)	for a
, and	Un	ited	States	patent,	whic	ch was	file	ed on			, under	Serial	No.
				, and									

WHEREAS, Chroma Corporation, of 3900 Dayton Street, McHenry, Illinois 60050 (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, Therefore, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the United States and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, renewals, and extensions) that may be filed in the United States and every foreign country on the invention, and the patents or extensions thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue United States patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and serial number of the application if the date and number are unavailable at the time this document is executed.

UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in countries foreign to the United States and to claim under the International Convention and/or other international arrangement for any such application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making

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PATENT REEL: 012413 FRAME: 0133

invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto. In WITNESS WHEREOF, we have hereunder set our hands on the dates shown below. Date JULY 15 1999 STATE OF ILLINOIS )SS: On this 157k day of July , 1999, before me, a Notary Public in and for said county, appeared Robert D. Swain, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth. **OFFICIAL SEAL** Notary Public Survey Su NANCY GUNDELACH NOTARY PUBLIC STATE OF ILLINOIS ME COMMISSION EXP. APR. 13,2000 Date Ralph A. Stanziola STATE OF \_\_\_\_\_\_\_)
COUNTY OF \_\_\_\_\_\_) , 1999, before me, a Notary On this \_\_\_\_\_ day of \_\_\_\_ Public in and for said county, appeared Ralph A. Stanziola, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth. Notary Public {SEAL} My Commission Expires:

application for and obtaining original, continuation, continuation-in-part, divisional, reissued, renewal, or extended patents of the United States or of any and all foreign countries on the

Leydig, Voit & Mayer, Ltd. Attorneys at Law Two Prudential Plaza Suite 4900 180 North Stetson Chicago, Illinois 60601-6780 Attorney Docket 200516

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United States patent,	which was	filed on	, under	Serial	No.

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WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and serial number of the application if the date and number are unavailable at the time this document is executed.

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WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making

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PATENT REEL: 012413 FRAME: 0135 application for and obtaining original, continuation, continuation-in-part, divisional, reissued, renewal, or extended patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date	
	Robert D. Swain
STATE OF	_)
COUNTY OF	
the same person whose name is	, 1999, before me, a Notary red Robert D. Swain, who is personally known to me to be subscribed to the foregoing assignment document, and delivered the document as his/her free and voluntary act forth.
•	
	Notary Public
{SEAL}	My Commission Expires:
Date 7-15-99 STATE OF New Jerse	Ralph A. Stanziola
COUNTY OF Some 1 set	/ ) \$5: 
On this day of Public in and for said county, appe	, 1999, before me, a Notary ared Ralph A. Stanziola, who is personally known to me to is subscribed to the foregoing assignment document, and and delivered the document as his/her free and voluntary act forth.
{SEAL}	My Commission Expires:  My Commission Expires:  MARJORIE VANBLARCOM NOTARY PUBLIC OF NEW JERSEY My Commission Expires Feb. 22, 2003

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**RECORDED: 10/19/2001**