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FORM PTO-1595 (Flav. 6-93) OMB No. 0651-0011 (axp. 794) Tob collings 7	1998 IEET U.S. DEPARTMENT OF COMMERCE Palent and Trademark Office
Tab sellings □ □ □ To the Honorable Commissioner of Pater 100800	568 red original documents or copy thereof.
100000	
Name of conveying party(les):	Name and address of receiving party(les)     SILICN VALUEV BANK
Chromatic Research, Inc.	Name: SILIC(N VALLEY BANK
Additional name(a) of conveying party(les) attached? 🗆 Yes 🗀 No	Internal Address: Attn: Loan Documentation Grou
3. Nature of conveyance:	
☐ Assignment ☐ Merger	Street Address:
Security Agreement C Change of Name.	3003 Tasman Drive
Olher	City: Santa Clara Slate: CA ZIP: 95054
	•
Execution Date: 4-9-98	Additional name(s) & address(ns) attached? © Yes © No
If this document is being filed together with a new application  A. Palent Application No.(s)	B. Palent No.(s) See Attachment
Is teadmin landilibbA	tached? O'Yes O No
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved: 8
SILICCH VALLEY BANK	7. Total lee (37 CFR 3.41)
Internal Address:	
Attn: Loan Cocumentation Group	Enclosed CHECK NO. 76
NCSIV	Authorized to be charged to deposit account
Street Address:	8. Deposit account number
South Clara Character Char	
Santa Clara Slale: CA 95054 Clty: Slale: ZIP;	(Attach duplicate copy of this page if paying by deposit account)
871771998 JSHABRZZ 00009057 5712799	SE THIS SPACE
FC:581 320.00 0P	
<ol> <li>Statement and signature.</li> <li>To the best of my knowledge and belief, the foregoing infon the original document.</li> </ol>	nation is true and correct and any attached copy is a true copy of
MAGGIE CHRCIA YNAGGU. Name of Person Signing	SIGNATUREL: 9375 FRAME DB53 DBIB g cover sheet, stackments, and document:
DPT/ 112 Total number of pages including	gover sheet, attachments, and document:

## Chromatic Research, Inc. **Patents**

# Patent No. (s):

5,712,799

5,625,784

5,586,070

5,623,434

5,477.543

5,664,154

5,719,802

5,665,928

#### INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of April 9, 1998 by and between SILICON VALLEY BANK ("Bank") and CHROMATIC RESEARCH, INC. ("Grantor")

### **RECITALS**

- A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated April 9, 1998 (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement", capitalized terms used herein are used as defined in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works to secure the obligations of Grantor under the Loan Agreement.
- B. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

#### **AGREEMENT**

To secure its obligations under the Loan Agreement, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property Collateral (including without limitation those Copyrights, Patents, Trademarks and Mask Works listed on Schedules A, B, C, and D hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

IN WITNESS WHEREOF, the parties have cause this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Address of Grantor: 615 Tasman Drive	CHROMATIC RESEARCH, INC.  By: Carrier Comments of the Comments
Sunnyvale, CA 94089	Titley
Attn:	,
	BANK:
Address of Bank:	SILICON VALLEY BANK
3003 Tasman Drive	ву:
Santa Clara, CA 95054-1191	Title: SVP
Attn:	A STATE OF THE PROPERTY OF THE

GRANTOR:

### **EXHIBIT A**

Copyrights

Description

Registration/ Application Number

Registration/ Application <u>Date</u>

# EXHIBIT B

Patents

Description

Registration/ Application Number Registration/ Application <u>Date</u> Received: 5/ 4/98 4:29PM; **2**1002 05/04/98 MON 16:10 FAX 408 752 9102 CHROMATIC RESEARCH

Skjerven, Morril, MacPherson, Franklin & Friel

02/06/98

Page: 1

Total Granted Patents For Chromatic Research, Inc.

Case Number: M-2880 Country: US Client Reference:

Patent Number: 5712799 Issue Date: 01/27/98

Title: Method And Structure For Performing Motion Estimation Using

Reduced Precision Pixel Intensity Values

Inventor(s):

Farmwald, P. Michael Purcell, Stephen C. Hung, Andy C. Fogg, Chad E.

Country: US Client Reference: Case Number: M-2881

Patent Number: 5625784 Issus Date: 04/29/97

Variable Length Instructions Packed In A Fixed Length Title:

Double Instruction

Inventor(s):

Purcell, Stephen C.

Client Reference: Case Number: M-2882 Country: US
Patent Number: 5586070 Issue Date:

Structure And Method For Embedding Two Small Multipliers In-Title:

A Larger Multiplier

Inventor(s):

Purcell, Stephen C.

Country: US Client Reference: Case Number: M-2883

Issue Date: 04/22/97 Patent Number: 5623434

Structure And Method Of Using An Arithmetic And Logic Unit Title:

For Carry Propagation Stage Of A Multiplier

Inventor(s):

Purcell, Stephen C.

Case Number: M-2884 Country: US Client Reference:

Patent Number: 5477543 Issue Date: 12/19/95

Structure And Method For Shifting And Reordering A

Plurality Of Data Bytes

Inventor(s):

Purcell, Stephen C.

Client Reference: Country: US Case Number: M-3251

Issue Date: 09/02/97 Patent Number: 5664154

M/A For Optimizing Retry Time Upon Cache-Miss By Selecting

A Delay Time According To Whether The Addressed ...

Inventor(s):

Purcell, Stephen C. Campbell, Paul W.

(Report Name: YE-TOTAL GRANTED)

PATENT

REEL: 9375 FRAME: 0859

eived: 5/ 4/98 4:29PM; 408 752 9102 -> SILICON VALLEY BANK; Page 3 05/04/98 MON 16:10 FAX 408 752 9102 CHROMATIC RESEARCH Received: 5/ 4/98 4:29PM;

**2**1003

Skjerven, Morrili, MacPherson, Franklin & Friel

02/06/98 Page: 2

Total Granted Patents For Chromatic Research, Inc.

Case Number: M-3596 Country: US Client Reference:

Patent Number: 5719802 Issue Date: 02/17/98

Title: Adder Circuit Incorporating Byte Boundaries

Inventor(s):

Purcell, Stephen C. Thomson, John S.

Country: US Client Reference: Case Number: M-3634

Issue Date: 09/09/97 Patent Number: 5665928

Method And Apparatus For Spline Parameter Transitions In

Sound Synthesis

Inventor(s): Wang, Avery L.

(Report Name: YE-TOTAL GRANTED)

**PATENT** 

REEL: 9375 FRAME: 0860

## EXHIBIT C

### Trademarks

**Description** 

Registration/ Application Number Registration/ Application <u>Date</u>

## EXHIBIT D

Mask Works

**Description** 

RECORDED: 07/31/1998

Registration/ Application Number Registration/ Application Date