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128/04 OIPE 101	Docket No.: 112-0128US
Form PTO-1595 (Rev. 10/02) REI 07 - 06	-2004 U.S. DEPARTMENT OF COMMER U.S. Patent and Trademark O
OMB No. 0651-002 (
To the Director of the United States Pate 10278	ed original documents or copy thereof.
Name of conveying party(ies): Douglas J. Mooney	Name and address of receiving party(ies) Name: Brocade Communications Systems, Inc. Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of conveyance:	7
✓ Assignment ☐ Merger	
☐ Security Agreement ☐ Change of Name	Street Address: 1745 Technology Drive
Other	
	City: San Jose State: CA Zip: 95110
Execution Date: 6-16-2004	Additional name(s) & address(es) attached? Yes
A. Patent Application No.(s) 10/698,336	B. Patent No.(s)
Additional numbers a	 ttached?
Additional numbers a 5. Name and address of party to whom correspondence concerning document should be mailed:	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
5. Name and address of party to whom correspondence	
Name and address of party to whom correspondence concerning document should be mailed: Name: Keith Lutsch	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$ 40.00
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Keith Lutsch Internal Address: Wong Cabello Lutsch Rutherford & Brucculeri LLP	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$ 40.00 □ Enclosed
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Keith Lutsch Internal Address: Wong Cabello Lutsch Rutherford & Brucculeri LLP Street Address: 20333 SH 249, Suite 600	6. Total number of applications and patents involved: 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: Keith Lutsch Internal Address: Wong Cabello Lutsch Rutherford & Brucculeri LLP Street Address: 20333 SH 249, Suite 600 304 670411 00000163 501922 10696336	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 □ Enclosed ☑ Authorized to be charged to deposit account 8. Deposit account number: 501922
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5. Name and address of party to whom correspondence concerning document should be mailed: Name: Keith Lutsch Internal Address: Wong Cabello Lutsch Rutherford & Brucculeri LLP Street Address: 20333 SH 249, Suite 600 304 670011 00000163 501922 10698336 City: Houston State: TX Zip:77070	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 □ Enclosed ☑ Authorized to be charged to deposit account 8. Deposit account number: 501922
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Mail documents to be recorded with required cover sheet information to:

Mail Stop Recordation Services, Director of the United States Patent & Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Brocade Communications Systems, Inc., a Delaware corporation, having a place of business at 1745 Technology Drive, San Jose, California 95110 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent entitled: LIGHT REFLECTOR AND BARRIER FOR LIGHT EMITTING DIODES ("APPLICATION"), which:

is to be filed herewith

was filed on October 31, 2003, now bearing U.S. Serial Number 10/698,336 and for which a Declaration was executed by INVENTOR on the date(s) below; and

The entire worldwide right, title, and interest in and to (a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; and (c) patents which may be granted on the applications set forth in (a) and (b) above.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles, and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER: and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

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PATENT REEL: 015522 FRAME: 0325

Executed this 16 day of	, 2004
	Douglas J. Mooney
STATE OF CALIFORNIA	
COUNTY OF	
Douglas J. Mooney, known to me to be	authority, on this day personally appeared the person whose name is subscribed to the to me that he/she executed the same for the ed.
GIVEN UNDER MY HAND, 200	and seal of office this day of
	Notary Public in and for the

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RECORDED: 06/28/2004

PATENT REEL: 015522 FRAME: 0326