Expres 06/30/99 OMB 0651-0027	11-23-2001 U.S. Department of Commerce Patent and Trademark Office PATENT
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1-21-61 RECORD	ATION FORM COVER SHEET PATENTS ONLY
O: The Commissioner of Patents and Trademar	ks: Please record the attached original document(s) or copy(ies).
ubmission Type	Conveyance Type
x New	x Assignment Security Agreement
Resubmission (Non-Recordation) Document ID#	License Change of Name
Correction of PTO Error Reel # Frame #	Merger Other
Corrective Document Reel # Frame #	U.S. Government (For Use ONLY by U.S. Government Agencies)
onveying Party(ies)	Mark if additional names of converting partice attacked
Name (line 1) Broome, Barry G.	Month Day Year 9 12 01
Name (line 2)	
econd Party	Execution Date
Name (line 1) Richard, Jenkin A.	Month Day Year 9 26 01
Name (line 2)	
eceiving Party	Mark if additional names of receiving parties attached
Name (line 1) Universal Lightspeed	d, Inc. If document to be recorde is an assignment and the receiving party is not
Name (line 2)	domiciled in the United States, an appointment
ddress (line 1) 181 Del Medio	of a domestic representative is attached (Designation must be a separate document from
ddress (line 2)	Assignment.)
ddress (line 3) Mountain View	California US 94043 State/Country Zip Code
omestic Representative Name and A	
Name	
Address (line 1)	
Address (line 2)	
Address (line 3)	
Address (line 4)	
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11/23/2001 GTDH11 00000013 6088322	

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	Area Code and Telephone Number	415-442-5810
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Address (line 4)		
including any attachments		ient # 4
Application Number(s) or Patent Nu		dditional numbers attached
Patent Application Number(s)	6,088,322	Number(s)
Patent Cooperation Treaty (PCT) Enter PCT application number <u>only if</u> a U.S. Application Numb has not been assigned.	PCT PCT PCT	PCT
Number of Properties Enter the t	otal number of properties involved. #	1
Method of Payment: End	t for Properties Listed (37 CFR 3.41): \$ closed X Deposit Account ditional fees can be charged to the account.) Deposit Account Number:	₽
attached copy is a true copy of the indicated herein.	Authorization to charge additional fees: belief, the foregoing information is true a e original document. Charges to deposit	and correct and any
Bruce H. Johnsonbaugh Name of Person Signing	Bruce HAchnsonboyl Signature	Date

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PATENT REEL: 012166 FRAME: 0858

ASSIGNMENT

WHEREAS, we, Bany G. Broome and Jenkin A. Richard, have invented a new and useful improvement in SINGLE OBJECTIVE LENS FOR USE WITH CD OR DVD OPTICAL DISKS, for which an application for United States Letters Patent was executed by us on April 15, 1998 and May 5, 1998, respectively, which was assigned Serial No. 09/074,474, and which was issued as United States Letters Patent No. 6,088,322 on July 11, 2000 entitled SINGLE OBJECTIVE LENS FOR USE WITH CD OR DVD OPTICAL DISKS, end

WHEREAS, Universal Lightspeed, Inc., a California Corporation, hereinafter designated the "Assignee" desires to acquire all rights to this invention, to the aboveidentified application and to United States Letters Patent No. 6,058,322.

NOW. THEREFORE, for valuable consideration received, we hereby sell, assign and transfer to said Assignee, its successors and assigns all right, title and interest in and to said invention in the United States and in all countries throughout the world, including those in and to the above-named application and any reissue application thereof, and the patent or patents which may be issued thereon in the United States, in and to any application or patent in any or all other countries of the world, and the right to file further applications in all countries throughout the world;

We also hereby sell, assign and transfer to Assignee any right to collect damages for past infringement, if any;

This assignment is intended to be effective <u>nunc protunc</u> as of May 5, 1998; if, for any reason, the retroactive effect of this assignment is held by a court of competent jurisdiction to be invalid, such invalidity shall not affect the remainder of this assignment agreement:

And we hereby agree that we will upon request execute any instrument which said Assignee desires to carry this assignment into effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention without additional consideration but at the expense of the Assignee;

And do further covenant and agree that we will, at any time upon request, communicate to said Assignee, such facts relating to said invention and Letters Patent or the history thereof as may be known to us, and we will testify as to the same in any interference or other litigation when requested so to do without any additional consideration, but at the expense of my Assignee.

PATENT REEL: 012166 FRAME: 0859

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IN TESTIMONY THEREOF, we have hereunto subscribed our names on the dates ilsted below.

Date 5577 12

Date SEPT 26, 2001

STATE OF CALIFORNIA) SS) SS)

On this 12 asy of Liptinder, 2001 before me, Chrish Wightvc, Notavn RMic personally appeared Bany G. Broome, personally known to me (proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

OFFICIAL SEAL CHRISTI WAYMIRE NESS my hand and difficial seal JFORNIA 尝 3888 NOTARY PUBLIC CALIFORNIA COMM. NO. 1163888 SAN DIEGO COUNTY MY COMM. EXP. DEC. 4, 2001 MY (Seal) ary Public

COUNTY OF Santaclasa)

On this <u>26</u> day of <u>Sept</u>, 2001 before me, <u>YAVNEET</u>. <u>SINGH</u>, personally appeared Jenkin A. Richard, personally known to me (proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

launeet. Singf



PATENT REEL: 012166 FRAME: 0860

(Motary Public)

RECORDED: 11/21/2001