

02-14-2005

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1. Name of conveying party(ies)/Execution Date(s):	Name and address of receiving party(ies)		
Takayuki SHIMIZU	Name: Sharp Kabushiki Kaisha		
	Internal Address:		
Execution Date(s): February 3, 2005	Street Address:		
Additional name(s) of conveying party(ies) attached? Yes X No	22-22 Nagaike-cho, Abeno-ku Osaka-Shi, Osaka		
3. Nature of Conveyance:	545-8522		
Assignment Merger	JAPAN		
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4. Application or patent number(s):	This document is being filed together with a new application.		
A. Patent Application No.(s)	B. Patent No.(s)		
NEW			
Additional numbers attached?	Yes X No		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
concerning document should be mailed:  Name: Terrell C. Birch			
concerning document should be mailed:	patents involved:		
concerning document should be mailed:  Name: Terrell C. Birch  BIRCH, STEWART, KOLASCH & BIRCH,  LLP	patents involved:		
concerning document should be mailed:  Name: Terrell C. Birch BIRCH, STEWART, KOLASCH & BIRCH, LLP  Internal Address: Atty. Dkt.: 1248-0768PUS1 Street Address: 8110 Gatehouse Rd	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
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## BIRCH, STEWART, KOLASCH & BIRCH, LLP

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## **ASSIGNMENT**

	Application No. NEW		Filed	2/3/2005	
nsert Name(s) of Inventor(s)	***(Given Name FAMILY NAM				
.,	WHEREAS, Takayuki S	HIMIZU ;			
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nsert Title f Invention	(hereinafter designated as the undersigned) has (have LIGHT EMITTING DIODE DRIVING CIRCUIT FOR USE IN OPTICAL FIBER LINK			improvements in	
	for which an application for Letters Patent of the U undersigned (except in the case of a provisional appl	inited States of Amelication).	rica has been	executed by the	
nsert Date f Signing of Application	on	,		;	an
nsert Name f Assignee	WHEREAS, SHARP KABUSHIKI KA	ISHA			
nsert Address f Assignee	22-22, Nagaike-cho Abeno-ku Osa	ika-shi Osaka	545-8522	Japan	
HECK BOX APPROPRIATE	its heirs, successors, legal representatives and assidesirous of acquiring the entire right, title and interest Letters Patent(s) that may be granted therefor in the in any foreign countries.	erest in and to said	invention and	he Assignee) is d in and to any	
	NOW, THEREFORE, in consideration of the sum of paid, the receipt of which is hereby acknowledged undersigned has (have) sold, assigned and transfer transfer unto said Assignee the full and exclusive America, its territories, dependencies and possession any and all Letters Patent(s) which may be grant territories, dependencies and possessions, and if the countries;	l, and other good an rred, and by these p right to the said invo- ons and the entire rig ed therefor in the U	d valuable con resents does ention in the light, title and in United States	nsideration, the sell, assign and United States of atterest in and to of America, its	
	and to any and all divisions, reissues, continuation term or terms for which the same may be granted.	s, conversions and e	extensions the	reof for the full	

Page 1 of 2

PATENT REEL: 016244 FRAME: 0653 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date January 18, 2005	Name of Inventor Jakayuki Shimiye (signature) Takayuki SHIMIZU	
Date,	Name of Inventor(signature)	
Date,	Name of Inventor(signature)	
Date,	Name of Inventor (signature)	
Date,	Name of Inventor(signature)	
Date,	Name of Inventor(signature)	

Page 2 of \_2

June 2002

PATENT REEL: 016244 FRAME: 0654