Atty Docket No.:

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Additional name(s) of conveying party(ies) attached?		
3. Nature of Conveyance: ■ Assignment		
Other Execution Date: October 21, 2004	Additional name(s) and addre	ess(es) attached? 🛘 Yes 🖪 No
4. Application number(s) or patent number(s):		
☐ This document is being filed together with a new application		
A. Patent Application No.(s) 10/890,180	B. Patent No.(s)	
Additional numbers atta	ched? 🗆 Yes 🔳 No	
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PATENT REEL: 016049 FRAME: 0070

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Assignment of Application

WHEREAS, I (WI	E) Beata Ewa KARDYNAL, Cambrid	lge, Un	ited Kingdom		
	Andrew James SHIELDS, Cambri	lge, Un	ited Kingdom		
					
·					
				, resp	ectivel
have invented cert	ain new and useful improvements in:	A CIR	CUIT FOR A SINGLE PH	OTON DETECTOR	·
(Application No.	10/890,180	, filed	July 14, 2004		_), and
WHEREAS,	KABUSHIKI KAISHA TOSHIBA				

8001, Japan, respectively are desirous of jointly acquiring interests in the entire right, invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 21. 10.04	Mandyust
Date: 21,10,4	(Signature of Inventor) Beata Ewa KARDYNAL (Signature of Inventor) Andrew James SHIELDS
Date:	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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06/04

RECORDED: 12/06/2004

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