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SHEET

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
1 Takahisa KURAHASHI 5 Toshio KIMURA				
2 Hirotaka SATO 6 Masaomi HIOKI	1) Name: SHARP KABUSHIKI KAISHA			
3 Akira MIYAZAWA 7	Street Address: 22-22, Nagaike-cho, Abeno-ku,			
4 Kyotaro NAKAMURA 8	City: Osaka-shi, Osaka			
+ Kyotato Wiki Wolci o	State/Country: Japan Zip: 545-8522			
Additional name/s of conveying party/ies attached?	State/Country. Japan Zip. 343-8322			
	2) Name			
Assignment Merger	Street Address:			
Security Assignment Change of Name	City:			
Other	State: Zip:			
	Eur.			
Execution Date: November 28, 2008	Additional name/s & address/es attached? Yes No			
4. Application number(s) or patent number(s):	assignment is being filed together with a new application.			
A. Patent Application No(s).	B. Patent No(s).			
(1) 12/296,748	(1)			
(2)	(2)			
(3)	(3)			
Additional numbers attached Yes No				
5. Name and address of party to whom correspondence	6. Total number of applications & patents involved:1			
concerning document should be mailed:				
	7. Total fee (37 CFR 3.41) \$ 40.00			
Name: H. Warren Burnam, Jr.				
	Authorized to be charged to deposit account #14-1140			
Internal Address:				
	8. The Commissioner is hereby authorized to charge any			
Street Address: Nixon & Vanderhye P.C.	deficiency in the fee(s) filed, or asserted to be filed, or which			
901 North Glebe Road	should have been filed herewith (or with any paper thereafter			
11th Floor	filed in this application by this firm) to our Account No.			
City: Arlington State: VA Zip: 22203	14-1140.			
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9. Statements and signature.				
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy				
of the original document.				
H. Warren Burnam, Jr. All Old 000 h 000 lo September 9, 2009				
	nature Date			
Reg. No. 29,366 Total number of pages including original cover sheet, attachments, and document: [3]				
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Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
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PATENT REEL: 023236 FRAME: 0292

ATTORNEY DOCKET NO. 914-263

Filed October 10, 2008

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

12/296,748

term or terms for which the same may be granted.

Application No.

Insert Name(s) of Inventor(s)	-	WHEREAS. Takahisa KURAHASHI, Hirotaka SATO, Akira MIYAZAWA,
		Kyotaro NAKAMURA, Toshio KIMURA, and Masaomi HIOKI
Insert Title	_	(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
of Invention		Solar Cell, Solar Cell String, and Solar Cell Module
Insert Date of Signing of		for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).
Application	-	on November 28, 2008 : and
Insert Name of Assignee	WHEREAS, Sharp Kabushiki Kaisha	
Insert Address		
of Assignee		of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan
CHECK BOX IF APPROPRIATE	-	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any and all foreign countries.
		NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries:
		and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full

PATENT REEL: 023236 FRAME: 0293 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 Letters 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 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) the 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 Nixon & Vanderhye P.C. 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	November 28, 2008,	Name of Inventor_	Jakahisa KURAHASHI
			Airotala Sato. Hirotaka SATO
Date	November 28, 2008.	Name of Inventor_	Akira Miyagawa Akira MIYAZAWA
Date	November 28, 2008.	Name of Inventor_	Myotaro Kakamura Kyotaro NAKAMURA
	November 28, 2008.		Toshio KIMURA
Date	November 28, 2008.	Name of Inventor_	Masaomi HIOKI
Date		Name of Inventor_	
Date		Name of Inventor_	
Date		Name of Inventor	

PATENT REEL: 023236 FRAME: 0294

RECORDED: 09/09/2009