

<div>FORM PTO-1619A Expires 06/30/99 OMB 0651-0027</div>	<div>U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office PATENT</div>
<div>RECORDATION FORM COVER SHEET PATENTS ONLY</div>	
<div>TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).</div>	
<div><div>SUBMISSION TYPE</div><div><input checked="" type="checkbox"/> New</div><div><input type="checkbox"/> Resubmission (Non-Recordation) Document ID#</div><div><input type="checkbox"/> Correction of PTO Error Reel # Frame#</div><div><input type="checkbox"/> Corrective Document Reel # Frame#</div></div>	<div><div>CONVEYANCE TYPE</div><div><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement</div><div><input type="checkbox"/> License <input type="checkbox"/> Change of Name</div><div><input type="checkbox"/> Merger <input type="checkbox"/> Other</div><div>U.S. Government (For Use ONLY by U.S. Government Agencies)</div><div><input type="checkbox"/> Departmental File <input type="checkbox"/> Secret File</div></div>
<div><div>Conveying Party(ies)</div><div><input checked="" type="checkbox"/> Mark if additional names of conveying parties attached</div><div><div>Name (line1) Name (line 2) Second Party Name (line 1) Name (line 2)</div><div>CHANDRA, Mohan citizen of India WAN, Yuepeng citizen of People's Republic of China</div><div>Execution Date Month Day Year 11 9 2001 Execution Date Month Day Year 11 08 2001</div></div></div>	
<div><div>Receiving Party</div><div><input type="checkbox"/> Mark if additional names of receiving party attached</div><div><div>Name (line1) Name (line 2) Address (line 1) Address (line 2) Address (line 3) City State/Country Zip Code</div><div>G.T. EQUIPMENT TECHNOLOGIES, INC. A New Hampshire Corporation 472 Amherst Street Nashua NH 03063</div><div><input type="checkbox"/> if a document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)</div></div></div>	
<div><div>Domestic Representative Name and Address</div><div>Enter for the first Receiving Party only.</div><div><div>Name Address (line 1) Address (line 2) Address (line 3) Address (line 4)</div></div></div>	
<div>FOR OFFICE USE ONLY</div>	

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MAIL documents to be recorded with required cover sheet(s) information to:
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FORM PTO-1619B
Expires 06/30/99
OMB 0651-0027

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
PATENT

Correspondent Name and Address

Area Code and Telephone Number603.886.6100

NameVernon C. MaineGTS01-US

Address (line 1)Maine & Asmus

Address (line 2)PO Box 3445

Address (line 3)Nashua NH 03061-3445

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document
Including any attachments.

#2

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09/993587

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

MonthDayYear

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved

#1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$40

Method of Payment:

Enclosed

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number :

Authorization to charge additional fees:

#500323

Yes

No

Statement 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. Charges to deposit account are authorized, as indicated herein.

Scott J. Asmus

Name of Person Signing

Signature

12/7/01

Date

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Conveying Party(ies)
Enter additional Conveying Parties

☐ Mark if additional names of conveying parties attached

Name (line 1)

HARIHARAN, Alleppey V.

Name (line 2)

citizen of U.S.

Name (line 1)

TALBOTT, Jonathan A.

Name (line 2)

citizen of USA

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

11 09 2001

Execution Date
Month Day Year

11 13 2001

Execution Date
Month Day Year

Receiving Party
Enter additional Receiving Party(ies)

☐ Mark if additional names of receiving party attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Application Number(s) or Patent Number(s)
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

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Patent Application Number(s)

Patent Number(s)

PATENT

REEL: 012221 FRAME: 0437

ASSIGNMENT by MULTIPLE INVENTORS

The undersigned individuals have invented a MAKING AND CONNECT BUS BARS ON SOLAR CELLS, (Atty Dkt. No. GTS01-US) and having on the 13 day of November, 2001, executed applications for patent as inventors, (and we hereby authorize our attorney to prosecute said application and to here insert the filing date and serial number of said application when known, US Application Serial No. 09/993,587 , filed on the 11 day of November, 2001; PCT Application Serial No. _____, filed on the _____ day of _____, 2001) describing the same and based thereon, for good and valuable consideration, receipt of which is hereby acknowledged from G.T. Equipment Technologies, Inc., a New Hampshire entity, hereinafter called Assignee (which term shall include its successors and assigns) do hereby sell, assign and transfer unto Assignee our entire right, title, and interest as inventors, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, reissue and other patent applications based thereon) and the inventions (which term shall include each and every such invention, or any part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said application;

And for the same consideration we do also hereby sell, assign and transfer unto the Assignee all our rights under the International Convention for the Protection of Industrial Property and all other treaties of like purpose in respect of said inventions and said applications and we do hereby authorize Assignee to apply in our names for patents and like rights of exclusion on or for said inventions in all countries, claiming (if Assignee so desires) the priority of the filing date of said application under provisions of said Convention or any such other treaty;

And for the same consideration we do hereby agree for ourselves and for our respective heirs, executors and administrators, promptly upon request of the Assignee, to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be deemed necessary or desirable by Assignee to fully to secure to it our said right, title, and interest as aforesaid in and to said inventions, application, and said several patents and like rights of exclusion, or any of them;

And we do hereby authorize and request the Commissioner of Patents of the United States of America and corresponding Officer of each country foreign thereto to issue to the Assignee any and all patents and like rights of exclusion which may be granted in any country upon said application or on or for said inventions;

And we do hereby covenant for ourselves and for our respective legal representatives and agree with Assignee that we have granted no right or license to make, use or sell said inventions to anyone except the Assignee, that prior to the execution of this deed our right, title and interest in and to said inventions as the inventor has not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

ASSIGNMENT SIGNATURE PAGE(S) ATTACHED

 **FAXED**
011/13/01

Assignment, Attorney Dkt. No. GTS01-US, page 1 of 2

PATENT
REEL: 012221 FRAME: 0438

ASSIGNMENT SIGNATURE PAGE # 1 of 1
(OFFICIANT: REPEAT THIS PAGE AS OFTEN AS NECESSARY TO OBTAIN ALL SIGNATURES)

TITLE: MAKING AND CONNECTING BUS BARS ON SOLAR CELLS

ATTY DKT. NO. GTS01-US

IN WITNESS of the preceding grants and covenants of Assignment, made by us in favor of

(Assignee) G.T. Equipment Technologies, Inc.

we hereunto set our hands and seals this _____ day of _____, 2001.

#1 M. Mall

#3 William Han

#5 _____

#7 _____

#2 Allen

#4 Jonathan A. Talbot

#6 _____

#8 _____

State of New Hampshire

County of Hillsborough

Before me this 8, 9, 13 day of November, 2001, personally appeared
(print/type names of signators)

#1 MOHAN CHANDRA

#3 ALLEPPEY V. HARIHARAN

#5 _____

#7 _____

#2 Yuepeng Wan

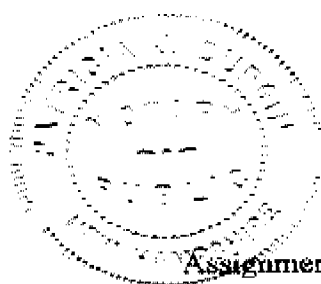
#4 JONATHAN A. Talbot

#6 _____

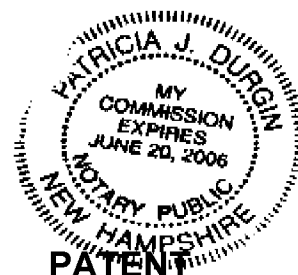
#8 _____

and acknowledged the foregoing instrument to be their free act and deed.

SEAL:



Patricia J. Durgin
Notary Public/Justice of the Peace



Assignment, Attorney Dkt. No. GTS01-US, page 2 of 2