

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME
CONVEYING PARTY DATA	
Name	Execution Date
GT Solar Incorporated	08/03/2011
RECEIVING PARTY DATA	
Name:	GTAT Corporation
Street Address:	243 Daniel Webster Highway
City:	Merrimack
State/Country:	NEW HAMPSHIRE
Postal Code:	03054
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12934393
CORRESPONDENCE DATA	
Fax Number:	6175231231
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	617-570-1000
Email:	dracicot@goodwinprocter.com
Correspondent Name:	Diane Racicot
Address Line 1:	53 State Street
Address Line 4:	Boston, MASSACHUSETTS 02109
ATTORNEY DOCKET NUMBER:	GTA-006
NAME OF SUBMITTER:	Jeffrey R. Rummier
Total Attachments: 8 source=GTA#page1.tif source=GTA#page2.tif source=GTA#page3.tif source=GTA#page4.tif source=GTA#page5.tif source=GTA#page6.tif source=GTA#page7.tif source=GTA#page8.tif	

OP \$40.00 12934393

Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED ARE TRUE AND CORRECT COPIES OF ALL DOCUMENTS FILED FROM AND INCLUDING THE RESTATED CERTIFICATE OR A MERGER WITH A RESTATED CERTIFICATE ATTACHED OF "GTAT CORPORATION" AS RECEIVED AND FILED IN THIS OFFICE.

THE FOLLOWING DOCUMENTS HAVE BEEN CERTIFIED:

RESTATED CERTIFICATE, FILED THE THIRTIETH DAY OF DECEMBER, A.D. 2005, AT 8:36 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, CHANGING ITS NAME FROM "GT EQUIPMENT TECHNOLOGIES, INC." TO "GT SOLAR INCORPORATED", FILED THE NINTH DAY OF AUGUST, A.D. 2006, AT 11:32 O'CLOCK A.M.

CERTIFICATE OF MERGER, FILED THE TWENTY-EIGHTH DAY OF SEPTEMBER, A.D. 2006, AT 7:13 O'CLOCK P.M.

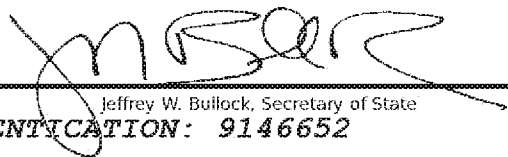
CERTIFICATE OF AMENDMENT, CHANGING ITS NAME FROM "GT SOLAR INCORPORATED" TO "GTAT CORPORATION", FILED THE FOURTH DAY OF AUGUST, A.D. 2011, AT 2:06 O'CLOCK P.M.

3469748 8100X

111181685

You may verify this certificate online
at corp.delaware.gov/authver.shtml




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 9146652

DATE: 11-09-11

PATENT
REEL: 029319 FRAME: 0741

AMENDED AND RESTATED CERTIFICATE OF INCORPORATION
OF
GT EQUIPMENT TECHNOLOGIES, INC.

* * * * *
*Adopted in accordance with the provisions
of §242 and §245 of the General Corporation Law
of the State of Delaware*
* * * * *

The undersigned, on behalf of GT Equipment Technologies, Inc., a corporation duly organized and existing under and by virtue of the General Corporation Law of the State of Delaware (the "Corporation"), DOES HEREBY CERTIFY as follows:

FIRST: The Corporation filed its original Certificate of Incorporation with the Delaware Secretary of State on December 21, 2001 (the "Original Certificate") under the name of GT Equipment Technologies, Inc.

SECOND: The Board of Directors of the Corporation duly adopted resolutions in accordance with Section 242 and Section 245 of the General Corporation Law of the State of Delaware authorizing the Corporation to amend, integrate and restate the Certificate of Incorporation in its entirety to read as set forth in Exhibit A attached hereto and made a part hereof (the "Restated Certificate").

THIRD: In accordance with Section 228, Section 242 and Section 245 of the General Corporation Law of the State of Delaware, the Restated Certificate was duly approved and adopted pursuant to a written consent signed by the holders of at least a majority of the issued and outstanding shares of capital stock entitled to vote thereon. Written notice is being given to the stockholders who have not consented in writing.

IN WITNESS WHEREOF, the undersigned on behalf of the Corporation for the purpose of amending and restating the Certificate of Incorporation of the Corporation pursuant to the General Corporation Law of the State of Delaware, under penalties of perjury does hereby declare and certify that this is the act and deed of the Corporation and the facts stated herein are true, and accordingly has hereunto signed this Certificate of Amended and Restated Certificate of Incorporation this 30th day of December, 2005.

GT EQUIPMENT TECHNOLOGIES, INC.

By: /s/ Dr. Kedar P. Gupta
Name: Dr. Kedar P. Gupta
Title: Chief Executive Officer

State of Delaware
Secretary of State
Division of Corporations
Delivered 08:36 AM 12/30/2005
FILED 08:36 AM 12/30/2005
SRV 051074715 - 3469748 FILE

PATENT
REEL: 029319 FRAME: 0742

AMENDED AND RESTATED
CERTIFICATE OF INCORPORATION
OF
GT EQUIPMENT TECHNOLOGIES, INC.

ARTICLE ONE

The name of the corporation is GT Equipment Technologies, Inc.

ARTICLE TWO

The address of the corporation's registered office in the State of Delaware is 160 Greentree Drive, Suite 101 in the City of Dover, County of Kent, 19904. The name of its registered agent at such address is National Registered Agents, Inc.

ARTICLE THREE

The nature of the business or purposes to be conducted or promoted is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of the State of Delaware.

ARTICLE FOUR

The total number of shares of stock which the corporation has authority to issue is ten million (10,000,000) shares of Common Stock, par value one cent (\$0.01) per share.

ARTICLE FIVE

The corporation is to have perpetual existence.

ARTICLE SIX

In furtherance and not in limitation of the powers conferred by statute, the board of directors of the corporation is expressly authorized to make, alter or repeal the by-laws of the corporation.

ARTICLE SEVEN

Meetings of stockholders may be held within or without the State of Delaware, as the by-laws of the corporation may provide. The books of the corporation may be kept outside the State of Delaware at such place or places as may be designated from time to time by the board of directors or in the by-laws of the corporation. Election of directors need not be by written ballot unless the by-laws of the corporation so provide.

ARTICLE EIGHT

To the fullest extent permitted by the General Corporation Law of the State of Delaware as the same exists or may hereafter be amended, a director of this corporation shall not be liable to the corporation or its stockholders for monetary damages for a breach of fiduciary duty as a director. Any repeal or modification of this ARTICLE EIGHT shall not adversely affect any right or protection of a director of the corporation existing at the time of such repeal or modification.

ARTICLE NINE

The corporation expressly elects not to be governed by §203 of the General Corporation Law of the State of Delaware.

ARTICLE TEN

The corporation reserves the right to amend, alter, change or repeal any provision contained in this certificate of incorporation in the manner now or hereafter prescribed herein and by the laws of the State of Delaware, and all rights conferred upon stockholders herein are granted subject to this reservation.

ARTICLE ELEVEN

To the maximum extent permitted from time to time under the laws of the State of Delaware, the corporation renounces any interest or expectancy of the corporation in, or in being offered an opportunity to participate in, business or investment opportunities that are from time to time presented to its directors, officers or stockholders, other than those directors, officers or stockholders who are employees of the corporation. Without limiting the generality of the foregoing, each such director, officer or stockholder shall have (i) no duty to communicate or present such business or investment opportunity to the corporation, and (ii) the right to hold any such business or investment opportunity for such director officer, or stockholder's (and its agents', partners' or affiliates') own account and benefit, or to recommend, assign or otherwise transfer or deal in such opportunity to persons other than the corporation. No amendment or repeal of this Article Eleven shall apply to or have any effect on the liability or alleged liability of any director, officer or stockholder of the corporation for or with respect to any opportunities or which such director, officer or stockholder becomes aware prior to such amendment or repeal.

STATE OF DELAWARE
CERTIFICATE OF AMENDMENT
OF CERTIFICATE OF INCORPORATION
OF
GT EQUIPMENT TECHNOLOGIES, INC.

The undersigned, on behalf of GT Equipment Technologies, Inc., a corporation duly organized and existing under and by virtue of the General Corporation Law of the State of Delaware (the "Corporation"), DOES HEREBY CERTIFY as follows:

FIRST: That at a meeting of the Board of Directors of the Corporation resolutions were duly adopted setting forth a proposed amendment of the Certificate of Incorporation of said corporation, declaring said amendment to be advisable and calling a meeting of the sole stockholder of said corporation for consideration thereof. The resolution setting forth the proposed amendment is as follows:

RESOLVED, that the Certificate of Incorporation of GT Equipment Technologies, Inc., a Delaware corporation, be amended by changing the Article thereof numbered "ONE" so that, as amended, said Article ONE shall be read as follows:

The name of the corporation is GT Solar Incorporated

SECOND: That thereafter, pursuant to resolution of its Board of Directors, in accordance with Sections 228 and 242 of the General Corporation Law of the State of Delaware, the amendment to the Certificate of Incorporation was duly approved and adopted pursuant to a written consent signed by the holders of all the issued and outstanding shares of capital stock entitled to vote thereon.

THIRD: That said amendment was duly adopted in accordance with the provisions of Sections 228 and 242 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, the undersigned on behalf of the Corporation for the purpose of amending the Certificate of Incorporation of the Corporation pursuant to the General Corporation Law of the State of Delaware, under penalties of perjury does hereby declare and certify that this is the act and deed of the Corporation and the facts stated herein are true, and accordingly has hereunto signed this Certificate of Amendment this 08 day of August, 2006.

GT EQUIPMENT TECHNOLOGIES, INC.

By:

Kedar P. Gupta
Name: Dr. Kedar P. Gupta
Title: Chief Executive Officer

CERTIFICATE OF MERGER

MERGING

GT SOLAR MERGER CORP.
A DELAWARE CORPORATION

WITH AND INTO

GT SOLAR INCORPORATED
A DELAWARE CORPORATION

Pursuant to Sections 251 and 228 of the General
Corporation Law of the State of Delaware

GT Solar Incorporated, a Delaware corporation, does hereby certify:

FIRST: The names and states of incorporation of the constituent corporations to this merger are as follows:

GT Solar Incorporated - Delaware

GT Solar Merger Corp. - Delaware

SECOND: An agreement and plan of merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations in accordance with Sections 228 and 251 of the General Corporation Law of the State of Delaware.

THIRD: The name of the corporation surviving the merger is GT Solar Incorporated (the "Surviving Corporation").

FOURTH: The Amended and Restated Certificate of Incorporation of the Surviving Corporation shall be its certificate of incorporation.

FIFTH: The executed agreement and plan of merger is on file at an office of the Surviving Corporation at the following address:

c/o GFI Energy Ventures, LLC
11611 San Vicente Blvd., Suite 710
Los Angeles, CA 90049

SIXTH: A copy of the agreement and plan of merger will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any constituent corporation.

In WITNESS WHEREOF, GT Solar Incorporated has caused this Certificate of Merger to be executed in its corporate name this 21st day of September, 2006.

GT SOLAR INCORPORATED

By: Kedar P Gupta
Name: Dr. Kedar P. Gupta
Title: President and Chief Executive Officer

[Signature Page - Certificate of Merger - GT Solar Merger Corp. and GT Solar Incorporated]

STATE OF DELAWARE
CERTIFICATE OF AMENDMENT
OF CERTIFICATE OF INCORPORATION
OF
GT SOLAR INCORPORATED

The undersigned, on behalf of GT Solar Incorporated, a corporation duly organized and existing under and by virtue of the General Corporation Law of the State of Delaware (the "Corporation"), DOES HEREBY CERTIFY as follows:

FIRST: That the Board of Directors of the Corporation, pursuant to a unanimous written consent executed as of the 3rd day of August, 2011, duly adopted the following resolution:

RESOLVED, that the Certificate of Incorporation of GT Solar Incorporated, a Delaware corporation, as amended, be further amended by changing the Article thereof numbered "ONE" so that, as amended, said Article ONE shall be read as follows:

**The name of the corporation is
GTAT Corporation**

SECOND: That thereafter, pursuant to resolution of its Board of Directors, in accordance with Sections 228 and 242 of the General Corporation Law of the State of Delaware, the amendment to the Certificate of Incorporation was duly approved and adopted pursuant to a written consent signed by the holders of all the issued and outstanding shares of capital stock entitled to vote thereon.

THIRD: That said amendment was duly adopted in accordance with the provisions of Sections 228 and 242 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, the undersigned on behalf of the Corporation for the purpose of amending the Certificate of Incorporation of the Corporation pursuant to the General Corporation Law of the State of Delaware, under penalties of perjury does hereby declare and certify that this is the act and deed of the Corporation and the facts stated herein are true, and accordingly has hereunto signed this Certificate of Amendment this 3rd day of August, 2011.

GT SOLAR INCORPORATED

By: _____

Name: Hoil Kim

Title: Vice President