

Ascent Solar Technologies, Inc.
Form 8-K
May 21, 2008

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**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported): **May 21, 2008**

ASCENT SOLAR TECHNOLOGIES, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

001-32919
(Commission
File Number)

20-3672603
(I.R.S. Employer
Identification No.)

8120 Shaffer Parkway
Littleton, Colorado
(Address of principal executive offices)

80127
(Zip Code)

Registrant's telephone number, including area code: **(303) 285-9885**

Former name or former address, if changed since last report

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 7.01 Regulation FD Disclosure.

On May 21, 2008, Ascent Solar Technologies, Inc. (the "Company") issued a press release titled "Ascent Solar Announces Closing of Public Offering of Common Stock," a copy of which is furnished an exhibit to this Current Report and is incorporated by reference herein.

Item 9.01 Financial Statements and Exhibits.

(d)

Exhibits

99.1

Press release entitled "Ascent Solar Announces Closing of Public Offering of Common Stock"

The information contained in this Current Report is being furnished and shall not be deemed "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that Section. Such information shall not be incorporated by reference into any registration statement or other document pursuant to the Securities Act of 1933, as amended, except as shall be expressly set forth by specific reference in such filing.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ASCENT SOLAR TECHNOLOGIES, INC.

May 21, 2008

By: /s/ MATTHEW B. FOSTER

Name: Matthew B. Foster
Title: President and Chief Executive Officer

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