

Ascent Solar Technologies, Inc.  
Form 8-K  
October 01, 2007

**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): **September 28, 2007**

**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))

**Item 8.01 Other Events.**

Mohan S. Misra, Ph.D., the Company's Chief Strategy Officer and Chairman of the Board, recently adopted a stock trading plan in accordance with Rule 10b5-1 of the Securities Exchange Act of 1934, as amended. Under Rule 10b5-1, directors, officers and other employees who are not in possession of material non-public information may adopt a pre-arranged plan or contract for the sale of the registrant's securities under specified conditions and at specified times. Using these plans, individuals can gradually diversify their investment portfolios, spread stock trades out over an extended period of time to reduce market impact and avoid concerns about transactions occurring at a time when they might possess material non-public information.

In total, the shares subject to Mr. Misra's plan represents approximately 18 % of Mr. Misra's combined holdings of the Company. Sales are expected to occur at predetermined times between November 2007 and November 2008 at prevailing market prices, subject to minimum price thresholds that are specified in the plan. Transactions under these plans will be reported to the Securities and Exchange Commission in accordance with applicable securities laws, rules and regulations.

**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.

September 28, 2007

By:

/s/ Matthew B. Foster  
Name: Matthew B. Foster  
Title: President & CEO