

Ascent Solar Technologies, Inc.

Form SC 13D/A

March 14, 2008

OMB APPROVAL
OMB Number: 3235-0145
Expires: February 28, 2009
Estimated average burden
hours per response...14.5

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

SCHEDULE 13D

**Under the Securities Exchange Act of 1934
(Amendment No. 4)***

Ascent Solar Technologies, Inc.
(Name of Issuer)

Common Shares, par value \$0.0001

(Title of Class of Securities)

043635101

(CUSIP Number)

Einar Glomnes

Norsk Hydro ASA

Drammensveien 264

N-0240 Oslo, Norway

+47 (0) 2253 8100

(Name, Address and Telephone Number of Person Authorized to
Receive Notices and Communications)

with a copy to:

George Karafotias

Shearman & Sterling LLP

Broadgate West, 9 Appold Street

London EC2A 2AP, United Kingdom

+44 (0) 20 7655 5576

March 13, 2008

(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box. o

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter

disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 (Act) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Item 1. Security and Issuer.

This Amendment No. 4 to Schedule 13D amends the statement on Schedule 13D originally filed by Norsk Hydro ASA (Norsk Hydro) and Norsk Hydro Produksjon AS (Produksjon) on March 23, 2007 and amended on June 18, 2007, August 17, 2007 and October 15, 2007 (as amended, the Schedule 13D) with the Securities and Exchange Commission (the SEC), relating to the common shares, par value \$0.0001 per share (the Shares), of Ascent Solar Technologies, Inc., a Delaware corporation (the Company).

Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer.

Item 6 of the Schedule 13D is hereby amended and supplemented by adding the following text after the second paragraph of Item 6:

Produksjon and the Company executed Amendment No. 1 to Securities Purchase Agreement, dated as of March 3, 2008 (the Amendment), which clarified and confirmed the intent of the parties that the Tranche 2 Call Option may be exercised by the Investor in full or in part and from time to time, provided that the conditions set forth in the Securities Purchase Agreement are satisfied. A copy of the Amendment is attached as Exhibit F hereto. The description of the Amendment contained herein is qualified in its entirety by reference to Exhibit F, which is incorporated herein by reference.

Item 7. Materials to be Filed as Exhibits.

Exhibit No.

Description

- | | |
|---|--|
| A | Joint Filing Agreement, dated March 22, 2007, between Norsk Hydro ASA and Norsk Hydro Produksjon AS |
| F | Amendment No. 1 to Securities Purchase Agreement, dated as of March 3, 2008, between Ascent Solar Technologies, Inc. and Norsk Hydro Produksjon AS |

Page 2 of 4 Pages

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated:

March 14, 2008

NORSK HYDRO ASA

/s/ Jørgen C. Arentz Rostrup

Name: Jørgen C. Arentz Rostrup

Title: Senior Vice President

NORSK HYDRO PRODUKSJON AS

/s/ Jørgen C. Arentz Rostrup

Name: Jørgen C. Arentz Rostrup

Title: Chief Executive Officer

Page 3 of 4 Pages

EXHIBIT INDEX

Exhibit No.	Description
A	Joint Filing Agreement, dated March 22, 2007, between Norsk Hydro AS and Norsk Hydro Produksjon AS
F	Amendment No. 1 to Securities Purchase Agreement, dated as of March 3, 2008, between Ascent Solar Technologies, Inc. and Norsk Hydro Produksjon AS Page 4 of 4 Pages