

Ascent Solar Technologies, Inc.  
Form SC 13D/A  
March 28, 2008

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

**SCHEDULE 13D**

**Under the Securities Exchange Act of 1934  
(Amendment No. 5)\***

**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 28, 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 §240.13d-1(e), 240.13d-1(f) or 240.13d-1(g) check the following box o.

\* 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).

CUSIP No. 043635101

**SCHEDULE 13D**

NAME OF REPORTING PERSONS

**1** I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Norsk Hydro ASA

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

- 2**
- (a)
  - (b)

SEC USE ONLY

**3**

SOURCE OF FUNDS (SEE INSTRUCTIONS)

**4**

AF

CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

**5**

CITIZENSHIP OR PLACE OF ORGANIZATION

**6**

Kingdom of Norway

SOLE VOTING POWER

**7**

NUMBER OF 0

SHARED VOTING POWER

**8**

SHARES BENEFICIALLY OWNED BY 4,939,303 (see Items 3 and 5)

EACH REPORTING PERSON      **9**      SOLE DISPOSITIVE POWER  
0

WITH      **10**      SHARED DISPOSITIVE POWER  
4,939,303 (see Items 3 and 5)

**11**      AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
4,939,303 (see Items 3 and 5)

**12**      CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)  
o

**13**      PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  
35.0% (see Item 5)

**14**      TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  
CO

CUSIP No. 043635101

**SCHEDULE 13D**

NAME OF REPORTING PERSONS

**1** I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Norsk Hydro Produksjon AS

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

- 2**
- (a)
  - (b)

SEC USE ONLY

**3**

SOURCE OF FUNDS (SEE INSTRUCTIONS)

**4**

WC

CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

**5**

CITIZENSHIP OR PLACE OF ORGANIZATION

**6**

Kingdom of Norway

SOLE VOTING POWER

**7**

NUMBER OF 0

SHARED VOTING POWER

SHARES BENEFICIALLY **8**

OWNED BY 4,939,303 (see Items 3 and 5)

EACH REPORTING PERSON      **9**      SOLE DISPOSITIVE POWER  
0

WITH      **10**      SHARED DISPOSITIVE POWER  
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4,939,303 (see Items 3 and 5)

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**13**      PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  
35.0% (see Item 5)

**14**      TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  
CO

**Item 1. Security and Issuer.**

This Amendment No. 5 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 13, 2007 and amended on June 18, 2007, August 17, 2007, October 15, 2007 and March 14, 2008 (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 3. Source and Amount of Funds or Other Consideration.**

Item 3 of the Schedule 13D is hereby amended and supplemented by replacing the last paragraph of Item 3 with the following text:

On March 26, 2008, Produksjon exercised the Tranche 2 Call Option, and on March 28, 2008 (the March 28 Closing ), the Company issued to Produksjon, and Produksjon purchased, accepted and acquired from the Company, (i) 2,341,897 Shares at \$9.262 per Share, which is equal to the average of the closing bids for the Shares on Nasdaq during the five consecutive trading days ending on (and including) March 25, 2008 and (ii) 1,689,905 Class B Warrants at \$3.954 per Class B Warrant, which is equal to the average of the closing bids for the Class B Warrants on Nasdaq during the five consecutive trading days ending on (and including) March 25, 2008. Produksjon obtained the funds for the purchase of the Tranche 2 Shares and the Option Class B Warrants from its working capital.

**Item 5. Interest in Securities of the Issuer.**

Item 5 of this Schedule 13D is hereby amended and restated in its entirety to read as follows:

The responses of Norsk Hydro and Produksjon to Rows (7) through (13) of the cover pages of this Schedule 13D and the information set forth in Item 3 are hereby incorporated by reference in this Item 5.

Pursuant to the Securities Purchase Agreement, on the First Closing, Produksjon acquired 1,600,000 Shares, representing 23.0% of the Company's outstanding Shares as of the date of the First Closing. Each of Norsk Hydro and Produksjon is deemed to beneficially own these 1,600,000 Shares.

On the Initial Warrants Closing, Produksjon acquired (i) 934,462 Shares, which, together with the 1,600,000 Shares owned by Produksjon, represented 23.0% of the Company's outstanding Shares as of the date of the Initial Warrants Closing and (ii) 1,965,690 Class B Warrants, representing 23.0% of the Company's outstanding Class B Warrants as of the date of the Initial Warrants Closing. Pursuant to the Stockholders' Agreement, Produksjon can exercise the Initial Class B Warrants only to maintain its 23.0% ownership of the Shares.

On the March 28 Closing, Produksjon acquired 2,341,897 Shares and 1,689,905 Class B Warrants. Pursuant to the Stockholders Agreement, Produksjon can exercise the Option Class B Warrants only to maintain a 35.0% ownership of the Shares.

Pursuant to Amendment No. 1 to Securities Purchase Agreement, dated as of March 3, 2008 (the Amendment ), Produksjon may exercise the Tranche 2 Call Option in full or in part and from time to time, provided that the conditions set forth in the Securities Purchase Agreement are satisfied. Therefore, as of the date hereof, Produksjon may further exercise the Tranche 2 Call Option from time to time to acquire from the Company up to a maximum of (i) 62,944 additional Tranche 2 Shares which, together with the 1,600,000 Shares acquired on the First Closing, the 934,462 Shares acquired on the Initial Warrants Closing and the 2,341,897 Shares acquired on the March 28 Closing, would represent 35.0% of all issued and outstanding Shares immediately after such sale and purchase and (ii) 32,321 additional Option Class B Warrants which, together with the 1,965,690 Class B Warrants acquired on the Initial Warrants Closing and the 1,689,905 Class B Warrants acquired on the March 28 Closing, would represent 35.0% of the Company's issued and outstanding Class B Warrants immediately after such sale and purchase.

Therefore, each of Norsk Hydro and Produksjon beneficially own, as of the date hereof, 4,939,303 Shares, which, assuming a further exercise by Produksjon of the Tranche 2 Call Option to acquire 62,944 Tranche 2 Shares in addition to the 4,876,359 Shares acquired by Produksjon on the First Closing, the Initial Warrants Closing and the March 28 Closing, would represent 35.0% of the Company's issued and outstanding Shares immediately after such sale and purchase.

The percentage of the class of securities identified pursuant to Item 1 beneficially owned by each of Norsk Hydro and Produksjon is based on 11,707,455 Shares and 8,814,678 Class B Warrants outstanding as of March 26, 2008, as provided by the Company.

In addition, the Shares deemed beneficially owned by each of Norsk Hydro and Produksjon with respect to which such person (i) has sole voting power, (ii) shares voting power, (iii) has sole dispositive power and (iv) shares dispositive power are listed in the responses to Items 7, 8, 9 and 10, respectively, of the cover page of this Schedule 13D relating to such person.

Except as disclosed in this Schedule 13D, neither Norsk Hydro nor Produksjon nor, to the best of their knowledge, any of the persons listed in Schedule A hereto, beneficially owns any Shares or has the right to acquire any Shares.

Except as disclosed in this Schedule 13D, neither Norsk Hydro nor Produksjon nor, to the best of their knowledge, any of the persons listed in Schedule A hereto, presently has the power to vote or to direct the vote or to dispose or direct the disposition of any of the Shares that they may be deemed to beneficially own.

Except as disclosed in this Schedule 13D, neither Norsk Hydro nor Produksjon nor, to the best of their knowledge, any of the persons listed in Schedule A hereto, has effected any transaction in the Shares during the past 60 days.



To the best knowledge of Norsk Hydro and Produksjon, no other person has the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the Shares beneficially owned by Norsk Hydro and Produksjon.

**Item 7. Materials to be Filed as Exhibits.**

<b>Exhibit No.</b>	<b>Description</b>
A	Joint Filing Agreement, dated March 22, 2007, between Norsk Hydro ASA and Norsk Hydro Produksjon AS

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**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 28, 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

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**EXHIBIT INDEX**

<b>Exhibit No.</b>	<b>Description</b>
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