Ideal Power Inc. Form 3 January 30, 2015

FORM 3

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

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, response...
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement Ideal Power Inc. [IPWR] MARXE AUSTIN W & (Month/Day/Year) GREENHOUSE DAVID M 01/30/2015 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) C/O SPECIAL SITUATIONS (Check all applicable) FUNDS. 527 MADISON **AVENUE, SUITE 2600** __X__ 10% Owner Director (Street) Officer Other 6. Individual or Joint/Group (give title below) (specify below) Filing(Check Applicable Line) _X_ Form filed by One Reporting Person NEW YORK, NYÂ 10022 Form filed by More than One Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 4. Nature of Indirect Beneficial 1. Title of Security 2. Amount of Securities Beneficially Owned Ownership (Instr. 4) Ownership (Instr. 4) (Instr. 5) Form: Direct (D) or Indirect (Instr. 5) Common Stock $1,146,935 \stackrel{(1)}{\underline{(1)}} \stackrel{(2)}{\underline{(2)}}$ $I^{(1)(2)}$ By Limited Partnerships (1) (2) Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly.

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
(Instr. 4)	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial Ownership
	(Month/Day/Year)	Derivative Security	or Exercise	Form of	(Instr. 5)

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(Instr. 4) Price of Derivative Derivative Security: Date **Expiration Title** Amount or Security Direct (D) Exercisable Number of or Indirect Shares (I) (Instr. 5)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

MARXE AUSTIN W & GREENHOUSE DAVID M C/O SPECIAL SITUATIONS FUNDS 527 MADISON AVENUE, SUITE 2600 NEW YORK, NYÂ 10022

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Signatures

Adam C. 01/30/2015

**Signature of Date
Reporting Person

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
 - This is a joint filing by Austin W. Marxe (Marxe), David M. Greenhouse (Greenhouse) and Adam C. Stettner (Stettner). Special Situations Fund III QP, L.P. (SSFQP), Special Situations Cayman Fund, L.P. (CAYMAN), Special Situations Technology Fund, L.P.
- (1) (TECH) and Special Situations Technology Fund II, L.P. (TECH II and together with SSFQP, CAYMAN and TECH, the Funds) hold shares of Common Stock of the Issuer (the Shares). AWM Investment Company, Inc. (AWM), the investment adviser to the Funds, holds the power to vote and the power to dispose of the Shares held by each of the Funds.
 - Marxe, Greenhouse and Stettner are the controlling principals of AWM. While the Shares held by each of the Funds were previously reported by Marxe, Greenhouse and Stettner on Form 3, reference should be made to AWM (CIK #0001002856) for any future filings
- (2) with the Securities and Exchange Commission relating to the Shares held by each of the Funds. Marxe, Greenhouse and Stettner disclaim beneficial ownership of the Shares, except to the extent of their pecuniary interest therein. This report shall not be deemed an admission that Marxe, Greenhouse and Stettner are the beneficial owners of the Shares of the Issuer held by the Funds for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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