FORM 3

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

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)								
1. Name and Address of Reporting Person [*] MARXE AUSTIN W & GREENHOUSE DAVID M	2. Date of Event Requiring Statement (Month/Day/Year) 01/30/2015	3. Issuer Name and Ticker or Trading Symbol Ideal Power Inc. [IPWR]						
(Last) (First) (Middle) C/O SPECIAL SITUATIONS FUNDS, 527 MADISON AVENUE, SUITE 2600		Person(s) to l (Check Director	b of Reporting ssuer all applicable) X 10% 0 ive Other	Filed(Month/Day/Year)				
(Street) NEW YORK, NY 10022		title below)	below)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City) (State) (Zip)	Table I - Non-Derivative Securities Beneficially Owned							
1.Title of Security (Instr. 4)	2. Amount of Beneficially ((Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)				
Common Stock	1,146,935	<u>1) (2)</u>	I <u>(1) (2)</u>	By Limited Partnerships (1) (2)				

Reminder: Report on a separate line for each class of securities beneficially 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 (Instr. 4)2. Date Exercisal and Expiration D (Month/Day/Year)		on Date	Secu	rities Underlying vative Security	or Exercise	Ownership	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number	Derivative Security: Security Direct (D) or Indirect (I) (Instr. 5)		

Reporting Owners

Reporting Owner Name / Address		Relationships					
		10% Owner	Officer	Other			
MARXE AUSTIN W & GREENHOUSE DAVID M C/O SPECIAL SITUATIONS FUNDS 527 MADISON AVENUE, SUITE 2600 NEW YORK, NY 10022		Х					

Signatures

Adam C. Stettner

01/30/2015

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. (TECH) and (1) 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

(2) 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.

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