



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

DIVISION OF  
CORPORATION FINANCE

Mail Stop 3030

April 18, 2017

Via E-mail

R. Daniel Brdar  
Chief Executive Officer  
Ideal Power Inc.  
4120 Freidrich Lane, Suite 100  
Austin, TX 78744

**Re: Ideal Power Inc.  
Registration Statement on Form S-3  
Filed March 31, 2017  
File No. 333-217088**

Dear Mr. Brdar:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Tom Jones at (202) 551-3602 with any questions.

Sincerely,

/s/ Tom Jones for

Amanda Ravitz  
Assistant Director  
Office of Electronics and Machinery

cc: Samer M. Zabaneh