

1 UNITED STATES PATENT AND TRADEMARK OFFICE  
 2 BEFORE THE PATENT TRIAL AND APPEAL BOARD

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4 SEOUL SEMICONDUCTOR CO., LTD.

5 and SEOUL SEMICONDUCTOR, INC.,

6 Petitioners, Case No. IPR2018-00333

7 v. Patent 7,256,486

8 DOCUMENT SECURITY SYSTEMS, INC.

9 Patent Owner.

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11 -----

12 Washington, D.C.

13 Friday, September 7, 2018

14 Deposition of MICHAEL PECHT, PH.D., a witness  
 15 herein, called for examination by counsel for the Patent  
 16 Owner in the above-entitled matter, pursuant to notice,  
 17 the witness being duly sworn by Barbara DeVico, a Notary  
 18 Public in and for the District of Columbia, taken at the  
 19 offices of HOLLAND & KNIGHT, LLP, 800 17th Street, N.W.,  
 20 at 9:15, Friday, September 7, 2018, and the proceedings  
 21 being taken down by Stenotype by BARBARA De VICO, CRR,  
 22 RMR, and transcribed under her direction.

Alderson Court Reporting

1-800-FOR-DEPO

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1 APPEARANCES :

2

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1	TABLE OF CONTENTS	
2	WITNESSES	
3	WITNESS	PAGE
4	MICHAEL GERARD PECHT	
5	BY MR. HELGE	4
6		
7		
8		
9		
10	EXHIBITS	
11		
12	No Exhibits Marked	
13	(Previously marked exhibits won't be attached.)	
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1 P R O C E E D I N G S

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3 MICHAEL GERARD PECHT,

4 having been called as a witness on behalf of the  
5 Petitioner and having been first duly sworn, was  
6 examined and testified as follows:

7 EXAMINATION BY

8 MR. HELGE:

9 Q Good morning, Dr. Pecht.

10 A Good morning.

11 Q Doctor, LED stands for light-emitting  
12 diode; correct?

13 A Correct.

14 Q And a light-emitting diode is a  
15 semiconductor device; correct?

16 A Correct.

17 Q You can also refer to an LED as a  
18 semiconductor die or chip, right?

19 MR. EISENBERG: Object to the form.

20 THE WITNESS: LED can be made from  
21 semiconductor materials and put in the form of a  
22 semiconductor chip or die.

1 BY MR. HELGE:

2 Q The term "light emitting" is clear. What  
3 does the diode implicate in the term "LED" or  
4 "light-emitting diode"?

5 MR. EISENBERG: Objection to the form.

6 THE WITNESS: Well, the diode allows  
7 the flow of current in a certain manner. So like you  
8 can say like a resistor allows the flow of current, but  
9 it creates a resistance with that. A capacitor allows  
10 the flow of current under changing conditions, and diode  
11 allows the flow of current under a particular, for a  
12 particular voltage value.

13 So for some voltage, you might see that  
14 there's no current flow, and then it will increase, for  
15 example. So it will have a certain characteristic of  
16 voltage.

17 Q And a light-emitting diode has to be  
18 powered in order to emit light, correct?

19 A Correct.

20 Q How is power usually provided to a  
21 light-emitting diode?

22 MR. EISENBERG: Objection to the form.

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