

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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SHARP CORPORATION, SHARP  
ELECTRONICS CORPORATION, and SHARP  
ELECTRONICS MANUFACTURING  
COMPANY OF AMERICA,  
Petitioner

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Case Number IPR2015-00021  
Patent Number 7,202,843 B2

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Held: December 1, 2015

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BEFORE: SALLY C. MEDLEY, BRYAN F. MOORE, and  
BETH Z. SHAW, Administrative Patent Judges.

The above-entitled matter came on for hearing on Tuesday,  
December 1, 2015, commencing at 10:01 a.m., at the U.S.  
Patent and Trademark Office, 600 Dulany Street,  
Alexandria, Virginia.

Application Numbers 95/000578; 95/000579; 95/001339  
Appeal Number 2015-006849

APPEARANCES:

ON BEHALF OF THE PATENT OWNER:

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ON BEHALF OF THE PETITIONER:

ANTHONY F. LO CICERO, ESQ.  
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1                                    P R O C E E D I N G S

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3            JUDGE MEDLEY: Good morning.

4            MR. LO CICERO: Good morning.

5            JUDGE MEDLEY: This is a hearing for IPR --  
6 are you ready? -- 2015-00021 between Petitioner  
7 Sharp and Patent Owner Surpass Tech Innovation.  
8 Per our October 23rd order, each party will have  
9 30 minutes total time to present your arguments.  
10 Petitioner, you proceed first to present your  
11 case with respect to the challenge claims and the  
12 ground, single ground for which the Board  
13 instituted trial. And then Patent Owner, you'll  
14 have time to respond to Petitioner's  
15 presentation. Petitioner, you can reserve  
16 rebuttal time if you like.

17            At this time, we'd like the parties to  
18 please introduce counsel, beginning with the  
19 petitioner.

20            MR. LO CICERO: Good morning, your Honors.  
21 Anthony Lo Cicero from Amster, Rothstein,  
22 Ebenstein. With me is my partner, Brian Comack,  
23 and our colleague, Mark Berkowitz.

24            JUDGE MEDLEY: Thank you. And for Patent  
25 Owner?

1 MR. HELGE: Good morning, your Honor. My  
2 name is Wayne Helge from Davidson, Berquist,  
3 Jackson & Gowdey, LLP. And I'm here representing  
4 Patent Owner, Surpass Tech innovation, LLC. With  
5 me is my colleague James Wilson.

6 JUDGE MEDLEY: Thank you. Petitioner, you  
7 may begin. And would you like to reserve  
8 rebuttal time?

9 MR. LO CICERO: I would, your Honor. Ten  
10 minutes, please.

11 JUDGE MEDLEY: Okay. Please proceed.

12 MR. LO CICERO: Your Honor, I have hard  
13 copies of our demonstrative exhibits if you'd  
14 like.

15 JUDGE MEDLEY: Yes, you may approach the  
16 bench with it. Thank you.

17 MR. LO CICERO: Good morning, your Honor,  
18 as I said I'm Anthony Lo Cicero, representing the  
19 petitioner, Sharp.

20 We believe that our papers, supplemented by  
21 today's hearing, will demonstrate that Claims 4;  
22 8; and 9 of the '843 patent are anticipated by  
23 the Ham reference and that Surpass's three  
24 arguments listed on Slide Number 2 are of no  
25 avail. The '843 patent relates to the problem of

1 blurring in LCD panels. Specifically, because of  
2 the physical nature of the LCD technology, the  
3 liquid crystal molecules have to be twisted and  
4 rearranged, and this physical phenomenon can  
5 cause the images to be delayed. The '843 patent  
6 identifies a first solution which is to divide  
7 the frame into two fields and to apply a data  
8 impulse from -- into both of those fields as  
9 shown on Slide 5. This solution is embodied in  
10 Challenge Claim 4 which is a method claim for  
11 driving a liquid crystal panel or certain  
12 characteristics. It includes the steps of  
13 receiving frame data, generating a plurality of  
14 data impulses according to that frame data, and  
15 applying the data impulses to the LCD pixel  
16 within one frame period.

17 There's another claim that's of relevance,  
18 although it's certainly not under review. That's  
19 Claim 1. Claim 1 deals with a second solution, a  
20 second method of curing the blurring problem,  
21 Claim 1 is an apparatus claim. It has a  
22 blur-clear converter which among other things  
23 generates a plurality of overdriven pixel data.  
24 it has a source generator -- a source driver for  
25 generating a plurality of data impulses.

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