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IPR2015-01642, Paper No. 36

IPR2015-01644, Paper No. 38

IPR2015-01653, Paper No. 42

IPR2015-01659, Paper No. 40

November 10, 2016

571-272-7822

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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LG ELECTRONICS, INC., and  
LG ELECTRONICS U.S.A., INC.,  
Petitioner,

v.

TOSHIBA SAMSUNG STORAGE TECHNOLOGY KOREA  
CORPORATION,  
Patent Owner.

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Case IPR2015-01642, Patent 6,721,110 B2

Case IPR2015-01644, Patent 6,785,065 B1

Case IPR2015-01653, Patent RE43,106 E

Case IPR2015-01659, Patent 7,367,037 B2

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Held: October 6, 2016

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BEFORE: KALYAN K. DESHPANDE, MICHAEL R.  
ZECHER, and TREVOR M. JEFFERSON, Administrative Patent  
Judges.

The above-entitled matter came on for hearing on Thursday,  
October 6, 2016, commencing at 9:00 a.m., at the U.S. Patent and  
Trademark Office, 600 Dulany Street, Alexandria, Virginia.

Case IPR2015-01642 (Patent 6,721,110 B2)  
Case IPR2015-01644 (Patent 6,785,065 B1)  
Case IPR2015-01653 (Patent RE43,106 E)  
Case IPR2015-01659 (Patent 7,367,037 B2)

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Case IPR2015-01642 (Patent 6,721,110 B2)  
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P R O C E E D I N G S

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JUDGE ZECHER: Good morning. This is an oral argument for four related cases. This is the morning session.

The cases are IPR2015-01642, 01644, 01653 and 01659. In the morning session we're going to hear oral arguments for the 1642 case and the 1644 case.

As we outlined in our trial order for the oral argument, Petitioner is going to present their case first. They can reserve some rebuttal time, at which point Patent Owner will get up and give their case-in-chief, and then Petitioner can use their remaining time. And we will do that for the first case and then the same pattern or same -- we'll continue for the second case.

So before we get started, we'd like counsel to introduce themselves for the record so it's clear. So let's start with Petitioner, please.

MR. TOLLEFSON: Good morning, Your Honors. Brian Tollefson from Rothwell, Figg, Ernst & Manbeck in Washington, D.C. We represent Petitioners LG Electronics, Inc. and LG Electronics U.S.A., Inc. With me is my colleague, Mike Battaglia, who is backup counsel.

JUDGE ZECHER: Thank you. Patent Owner?

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1           MR. RHOA: Joe Rhoa from Nixon & Vanderhye on  
2 behalf of Patent Owner TSSTK. With me, Jonathan Roberts,  
3 Mickey Gill and Soonwook Kwon from -- is a representative of  
4 TSSTK.

5           JUDGE ZECHER: Okay. Thank you very much.

6           All right. Petitioner, we'll turn the floor over to you and  
7 we'll start with the 1642 case.

8           And how much time for rebuttal would you like to  
9 reserve?

10          MR. TOLLEFSON: Your Honor, I'd like to reserve 10  
11 minutes for rebuttal.

12          And before I start, I have three extra hard copies of the  
13 slides. If you'd like, I can bring them up.

14          JUDGE ZECHER: You can approach.

15          MR. TOLLEFSON: Good morning. May it please the  
16 Board.

17          Slide 3, please.

18          The subject matter in this IPR is U.S. Patent number  
19 6,721,110, which is directed to an optical pickup actuator and  
20 driving method.

21          Here we see on slide 3 are illustrations from the patent  
22 of the conventional optical pickup actuator. And what we can see  
23 is the conventional optical pickup actuator has focus coils, tilt  
24 coils and track coils arranged on all four sides of the bobbin. We

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1 can see that the focus coils 110 are sort of on the tops and the  
2 bottoms here and that the tilt coils and track coils -- excuse me,  
3 the tilt coils 112 -- excuse me, so the point is, is that in the  
4 conventional optical pickup actuator the coils are on all four  
5 sides.

6 And because they're arranged on all four sides, there's  
7 very little space for the support wires to come in and connect.  
8 You can see the support wires on the left side.

9 Next slide.

10 JUDGE ZECHER: Counsel, just so I can maybe kind  
11 of direct you to what we want to discuss here in this hearing, I  
12 think we're familiar with the invention and the prior art here and  
13 what was well-known and what the invention purports to address  
14 or solve, so to speak, with respect to the problem in the art.

15 So why don't we move on to the claim construction  
16 issue because that seems to be somewhat case dispositive here. If  
17 you can start with that.

18 MR. TOLLEFSON: That's great. So I have in the slide  
19 deck -- and I'll jump right to the claim construction. In the slide  
20 deck we've got a number of colored slides. We can just walk  
21 through everything, walk through the conventional art and walk  
22 through everything I just discussed.

23 And the main thrust is that I think, as Your Honor just  
24 pointed out, the Patent Owner doesn't really contest the presence

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