

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD., DELL TECHNOLOGIES INC.,
and ANKER INNOVATIONS LTD.,
Petitioner,

v.

MYPAQ HOLDINGS LTD.,
Patent Owner.

IPR2022-00311 (Patent 8,477,514 B2)
IPR2022-00312 (Patent 7,675,759 B2)

Record of Oral Hearing
Held: February 24, 2023

Before KRISTINA M. KALAN, DANIEL J. GALLIGAN, and
ELIZABETH M. ROESEL, *Administrative Patent Judges*.

IPR2022-00311 (Patent 8,477,514 B2)
IPR2022-00312 (Patent 7,675,759 B2)

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The above-entitled matter came on for hearing on Friday, February 24, 2023, commencing at 1:00 p.m. EST, via Video-conference.

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PROCEEDINGS

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(1:00 p.m.)

JUDGE GALLIGAN: Good afternoon. This is Administrative Patent Judge Galligan. With me are Judges Kalan and Roesel. This is a consolidated oral argument for IPR 2022-00311 and IPR 2022-00312. The patents are 8,477,514 B2 and 7,675,759 B2. The Petitioner is Samsung Electronics Company, Ltd., Dell Technologies, Inc. and Anker Innovations, Ltd. Patent Owner is MyPAQ Holdings. May we have appearances for counsel starting with Petitioner, please?

MR. THOMPSEN: Yes, Your Honor. This is Brett Thompsen. I am backup counsel for Petitioners, and I will be doing the presenting today. On the line with me is lead counsel, Eliot Williams, and also on the public line are the other backup counsel and representatives from both Samsung and Dell.

JUDGE GALLIGAN: Thank you, and Patent Owner?

MR. MCBRIDE: This is Steve McBride for Patent Owner, MyPAQ Technologies. With me is James Carmichael, to my left here, who is lead counsel in this matter. Also on the public line may be representatives of MyPAQ, as well as Mitch Yang is also of record and a few other attorneys for MyPAQ.

JUDGE GALLIGAN: Thanks for that. Anker Innovations is a Petitioner that filed a Motion for Joinder, and we understand that counsel for Anker will not be presenting. If they're on the line, they may make an appearance, but I'll give them a moment. All right, thank you. Sorry, is someone speaking? Thank you. As set forth in the Oral Hearing Order, each

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1 party has 90 minutes of argument time to cover both proceedings. Our first
2 priority is your right to be heard, so if at any time during the hearing you
3 encounter technical or other difficulties you feel undermine your ability to
4 adequately represent your client, please let us know immediately.

5 You may do this by contacting the team who provided you with the
6 connection information. If you stop hearing or drop off, please note what was
7 being discussed and we'll try to pick up from there. Please mute your
8 microphone and only unmute when speaking. Identify yourself when you
9 speak so the transcript accurately reflects the speaker. When referring to an
10 item in the record, please do so with specificity, slide number and paper
11 number, exhibit number, etc. Because we have two cases, please refer to the
12 case number when you're referring to an item in the record. As to the public
13 line, we're not aware of any confidential information. That shouldn't be a
14 problem.

15 Petitioner, you'll go first. You may reserve some time for rebuttal.
16 Would you like to reserve any time?

17 MR. THOMPSEN: Yes, Your Honor. I'd like to reserve 30 minutes.

18 JUDGE GALLIGAN: Okay. And let me see, so I'll try to give you a
19 heads up a little before the hour. Let me just get my stopwatch going, and
20 you may begin.

21 MR. THOMPSEN: Thank you, Your Honor. As Your Honor noted,
22 the 311 IPR involves US Patent 8,477,514 and the 312 IPR involves US
23 Patent 7,675,759. The 514 patent is a continuation of a continuation in part
24 from the 759 patent, so these two patents involve overlapping specifications,
25 overlapping disclosures. Today when I'm speaking about the patent or the
26 specification, I'll be speaking to both. If I intend to speak to one or the other,

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1 I'll make sure to point that out. If we could go to Slide 3 of Petitioner's
2 demonstratives, here's a listing of the various issues that were raised in the
3 papers.

4 I certainly don't intend to speak to all of those issues within the hour,
5 but what I'd like to do is start with a brief overview of the 514 and 759
6 patents, as well as the prior art grounds, and then speak to issues in three
7 different buckets. I'd like to speak to two issues in the first bucket, because
8 they're issues that are common to both the 311 and the 312 IPR, as well as
9 issues in the second bucket. Those are issues specific to the 311 IPR. I'll
10 speak to two issues in that second bucket. Then also two issues in the third
11 bucket involving the 312 IPR and the 759 patent.

12 As I step through these various issues, we'll notice a theme. That
13 theme is that the issues often don't revolve around the actual disclosures in
14 the prior art. They revolve around narrowing constructions the Patent Owner
15 raises in an effort to try to carve out that prior art. But as we'll see, those
16 narrowing constructions conflict with the plain meaning of the claims and
17 also often conflict or improperly exclude embodiments in the 514 and 759
18 patents. So if we stick with the plain meaning of the claims consistent with
19 the patent specification, the prior art meets each of the challenged claim
20 limitations.

21 So let's go to Slide 5, and I'll start with a brief overview of the
22 challenged patents. So these challenged patents involve switching power
23 converters, and so you'll see the power converter on the left, it includes two
24 switches. Those switches will turn off perhaps thousands, hundreds of
25 thousands of times per second. That's how energy is transferred from the
26 input to the output of the power converter. Now it was well known in the art,

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