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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SLING TV L.L.C., SLING MEDIA, L.L.C., DISH NETWORK
L.L.C., DISH TECHNOLOGIES L.L.C.,
Petitioners,

v.

REALTIME ADAPTIVE STREAMING LLC,
Patent Owner.

PTAB Case No. IPR2018-01342
U.S. Patent 8,934,535 B2

DEPOSITION OF KENNETH A. ZEGER, PH.D.

July 31, 2019

1:26 PM

San Diego, California

DEPOSITION OF KENNETH A. ZEGER, PH.D., taken
on behalf of the Petitioners, at 12390 El Camino
Real, San Diego, California, commencing at
1:26 p.m. and ending at 5:07 p.m., Wednesday,
July 31, 2019, before Audrey L. Ricks, RPR, CCR,
CLR, Certified Shorthand Reporter, No. 12098.

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I N D E X

WITNESS	PAGE
DR. KENNETH A. ZEGER	
BY MR. LIVEDALEN	4

E X H I B I T S

Number	Description	Page
Exhibit 1	U.S. Patent, Fallon, et al., US 8,934,535 B2, January 13, 2015, 45 pages	5
Exhibit 2	Declaration of Kenneth A. Zeger, Ph.D., in Support of Patent Owner's Response, Case IPR2018-01342, patent 8,934,535 B2, 81 pages	11
Exhibit 3	US Patent, Dvir, et al., US 6,557,001, April 29, 2003	42
Exhibit 4	Journal/Article Printout by Web Enhanced, entitled "DVD Demystified," by Jim Taylor, Bates DISH 1020, 135 pages	52
Exhibit 5	U.S. Patent, Ishii, et al., US 5,675,789, October 7, 1997	86

1 San Diego, California

2 Wednesday, July 31, 2019

3

4 MATTHEW A. ZEGER,

5 having been first administered the oath, was

6 examined and testified as follows:

7

8 EXAMINATION

9 BY MR. LIVEDALEN:

10 Q Good afternoon, Dr. Zeger. Could you

11 please state your name for the record.

12 A Ken Zeger.

13 Q And who do you work for?

14 A University of California, San Diego.

15 Q And you just sat for a deposition in a

16 related matter just a few minutes ago; is that

17 correct?

18 A Correct.

19 Q And that one was IPR2018-01331?

20 A Yes.

21 Q And you understand that this matter is for

22 IPR2018-01342?

23 A Yes.

24 Q Okay. And you understand the same ground

25 rules apply?

1 A Yes.

2 Q And you understand that the testimony
3 you're giving today must be truthful, complete, and
4 accurate?

5 A Yes.

6 (Exhibit 1 marked)

7 BY MR. LIVEDALEN:

8 Q All right. Dr. Zeger, you've been handed
9 a document labeled Exhibit 1.

10 Do you recognize it?

11 A Yes.

12 Q What is it?

13 A This is what we call the '535 patent.

14 Q And that is the patent being challenged in
15 this matter?

16 A I believe that's correct.

17 Q And Dr. Zeger, what is the '535 patent
18 about?

19 A Well, I think the abstract is a pretty
20 good summary. I could read that for you if you
21 want.

22 Q That's all right.

23 Let's go to Claim 1, please.

24 A Okay.

25 Q And do you understand that Claim 1 is one

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