

1 UNITED STATES PATENT AND TRADEMARK OFFICE

2 BEFORE THE PATENT TRIAL AND APPEAL BOARD

3 Patent No. 5,659,891

4 ARUBA NETWORKS, INC., et al.

5 Petitioners,

6 v.

7 MOBILE TELECOMMUNICATIONS

8 TECHNOLOGIES, LLC,

9 Patent Owner.

10 _____/

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12 The oral deposition of PAUL KAKAES, PH.D.,

13 continued on Friday, December 16, 2016, commencing

14 at 10:07 a.m., at the law offices of Ropes & Gray

15 LLP, 2099 Pennsylvania Avenue, Northwest,

16 Washington, D.C., before Susan Ashe, RMR, CRR,

17 Notary Public.

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24 REPORTED BY: Susan Ashe, RMR, CRR

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8	Exhibit No.	Marked
9	Exhibit 6	A Mobile Base Station Phased
10		Array Antenna
11		SEC 00009141 through -144 198
12	Exhibit 7	International Publication
13		SEC 00011643 through -667 198
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1 P R O C E E D I N G S

2 Whereupon,

3 PAUL KAKAES, PH.D.,

4 the Witness, called for examination, having been
5 first duly sworn according to law, was examined and
6 testified as follows:

7 EXAMINATION

8 BY MR. SCHMIDT:

9 Q. Do you recall the testimony you provided
10 yesterday?

11 A. Yes, I do.

12 Q. Okay. Did you speak to anyone about the
13 testimony since yesterday?

14 A. No.

15 Q. Did you speak to your attorneys about the
16 testimony?

17 A. No.

18 Q. Okay. So can you take a look at the
19 Petrovic reference, please.

20 A. Are these mine?

21 Q. Yes.

22 A. Mine -- quote, unquote -- right?

23 Okay.

24 Q. So in the introduction, paragraph 1 here,
25 it states that -- in the middle of the paragraph, it

1 says: Typically, the gross bit rate of 1200 bits
2 per second is achieved through a 25-kilohertz radio
3 channel by binary frequency shift keying, FSK.

4 Do you see that?

5 A. Yes, I do.

6 Q. So that's the modulation that was used,
7 typically, in paging networks at the time. Right?

8 A. I'm sorry. Say that again.

9 Q. That's the modulation that was typically
10 used in paging networks at the time. Right?

11 A. It is one of the modulation schemes.

12 Q. Okay.

13 A. Yes; it was used a lot.

14 Q. And so relating to the '891 patent, is
15 that the modulation scheme used in that patent?

16 MS. RAYMOND: Objection to form,
17 scope.

18 A. There are different kinds of frequency
19 shift keying modulation schemes.

20 But the '891 patent does use a form of
21 frequency shift keying modulation.

22 Q. Okay. And at the time of the '891 patent,
23 the FCC allocated 25-kilohertz channels. Right?

24 A. Among others.

25 25-kilohertz channels was one of the

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