

UNITED STATES INTERNATIONAL TRADE COMMISSION

In the Matter of:	)	Investigation No.
CERTAIN CAPACITIVE DISCHARGE	)	337-TA-1390
IGNITION SYSTEMS, COMPONENTS	)	
THEREOF, AND PRODUCTS CONTAINING	)	
THE SAME	)	

OPEN SESSIONS

Pages: 1 through 244 (with excerpts)
Place: Washington, D.C.
Date: September 23, 2024

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1 UNITED STATES INTERNATIONAL TRADE COMMISSION
2 Washington, D.C.
3 BEFORE THE HONORABLE CLARK S. CHENEY
4 Chief Administrative Law Judge

5 _____
6 In the Matter of:) Investigation No.
7 CERTAIN CAPACITIVE DISCHARGE) 337-TA-1390
8 IGNITION SYSTEMS, COMPONENTS)
9 THEREOF, AND PRODUCTS CONTAINING)
10 THE SAME)
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12
13 International Trade Commission
14 500 E Street, S.W.
15 Washington, D.C.

16
17 Monday, September 23, 2024

18
19 EVIDENTIARY HEARING - VOLUME I

20
21 The Hearing commenced in Courtroom A, pursuant to the
22 notice of the Judge, at 9:51 a.m. Eastern.

23
24 Reported by: Marjorie Peters, FAPR, RMR, CRR

25

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1 A. No, I did not because I hadn't conceived of a
2 way to measure it yet.

3 That came after that.

4 Q. So it's your testimony that this theoretical new
5 test came to you after the testing in this investigation?

6 A. That is correct.

7 Q. Okay.

8 A. Because I wanted to be certain, again, that my
9 testimony was truthful and accurate, and I didn't want to
10 just rely on my theory. I wanted to prove it.

11 Q. To your knowledge, there's no testing of the MIC
12 devices that were submitted in this investigation that
13 shows in this purported internal ringing of the coil that
14 might be used with the accused ignition controllers?

15 A. That is, to the best of my knowledge, a correct
16 statement. There's also no testing to show that it
17 doesn't.

18 Q. That's fair.

19 Let's turn back for a moment to the '603 patent,
20 which is JX-0001.

21 If I look at Figure 1.

22 A. Yes.

23 Q. I believe you testified earlier that this is a
24 capacitive discharge circuit; is that correct?

25 A. That is the characterization or the way it was

1 defined in the patent, yes.

2 Q. Okay.

3 As a matter of fact, if we go to column 3, lines
4 6 through 10.

5 It says that, "Figure 1 illustrates the basic
6 circuit of a high-tension capacitive discharge ignition
7 system with a control circuit for opening and closing the
8 switch between the storage capacitor and the ignition coil
9 according to one embodiment of the present invention."

10 Do you see that?

11 A. Yes, I do.

12 Q. Do you agree with that statement?

13 A. Yes, I do.

14 Q. Okay.

15 So the capacitive discharge ignition circuit
16 that's shown in Figure 1 is a basic capacitive circuit that
17 would have been known in the art; correct?

18 A. With the exception of the control function.

19 Q. Okay.

20 What's going on inside the black box of the
21 control circuit may or may not have been known, is what
22 you're saying, but the circuit elements themselves would
23 have been known in the art; is that fair?

24 A. Yes, that is correct.

25 Q. If we go down a little further in column 3 of

1 JX-0001 to lines 32 to 40, the first sentence reads,
2 "Referring now to Figure 1, there is shown a basic
3 capacitive discharge circuit for a high-tension ignition
4 system which comprises a storage capacitor (C1), a diode
5 (D1), and power supply connected in series."

6 Do you see that?

7 A. Yes, I do.

8 Q. Do you agree with the statement here that
9 Figure 1 shows a basic capacitive discharge circuit?

10 A. Again, with the exception of the black box
11 control, that's an accurate statement.

12 Q. With the exception of the black box control, the
13 basic -- the elements of the basic capacitive discharge
14 circuit would have been known in the art; is that fair to
15 say?

16 A. That is correct.

17 Q. I'd like to go back to Figure 8 of the
18 '603 patent.

19 You remember providing testimony about this
20 figure during your direct examination?

21 A. Yes, I do.

22 Q. Okay.

23 Just -- I'm changing topics, so to reset where
24 we're talking about, this is an open-circuit figure;
25 correct?

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12
13 International Trade Commission
14 500 E Street, S.W.
15 Washington, D.C.

16
17 Friday, September 27, 2024

18
19 EVIDENTIARY HEARING - VOLUME V

20
21 The Hearing commenced in Courtroom A, pursuant to the
22 notice of the Judge, at 9:00 a.m. Eastern.

23
24 Reported by: Marjorie Peters, FAPR, RMR, CRR

25

1 Dr. Eisenstadt, please don't discuss your
2 testimony with anyone during the break.

3 We'll come back at 3:13. And before we come
4 back, now would be a good time to start meeting and
5 conferring about today's exhibits, so that after we wrap up
6 the testimony, we can have a final admission of evidence.

7 MS. HOEKEL: That has been occurring in the
8 background all afternoon, Your Honor.

9 CHIEF JUDGE CHENEY: It's just amazing what
10 you're able to accomplish.

11 I don't know how you do it.

12 We'll be off the record for 15 minutes.

13 (A recess was taken at 2:57 p.m., after which
14 the hearing resumed at 3:13 p.m.)

15 CHIEF JUDGE CHENEY: We are back on the record
16 in the 1390 investigation.

17 Before the break, we completed the
18 cross-examination by Respondents of Complainant's expert on
19 the issue of patent validity.

20 I would like to ask a couple of questions of
21 Dr. Eisenstadt on some things that I have heard so far.

22 Counsel, I remind you, you can object to my
23 questions the way you would to other attorneys' questions.

24 Can I have Figure 1 of the '603 patent put up.
25 Thank you.

1 Dr. Eisenstadt, I think we've all established at
2 this point, I don't think there's any dispute, that the
3 lower part of this figure, not including the control
4 circuitry, is prior art.

5 THE WITNESS: Yes, Your Honor.

6 CHIEF JUDGE CHENEY: Okay.

7 So now I'd like to understand, as best as I can,
8 about how this prior art circuit works and...

9 THE WITNESS: Do you want me to walk you through
10 it, the prior art?

11 CHIEF JUDGE CHENEY: I have a specific question
12 that I think maybe we can focus on.

13 One of the questions in my mind is: In this
14 prior art circuitry, when there is a spark present, what is
15 happening in the secondary coil? Is there ringing action,
16 or is there not ringing action?

17 Can you answer that?

18 THE WITNESS: I think there is ringing action.

19 CHIEF JUDGE CHENEY: Okay.

20 You've heard testimony in this trial that takes
21 a different view; right?

22 THE WITNESS: Correct.

23 CHIEF JUDGE CHENEY: For example, Dr. Ehsani
24 says that there can't be any ringing action there, because
25 when we have a completed circuit with the arc, the voltage