May 09, 2017 1–4

	SCO SYSTEMS vs TQ	022173, 220		•
1	UNITED STATES PATENT A	Page 1 ND TRADEMARK OFFICE	1	PRESENT: (Continued)
2			2	DUANE MORRIS LLP,
3	BEFORE THE PATENT TRIAL AND APPEAL BOARD		3	(1075 Peachtree Street NE, Suite 2000,
4			4	Atlanta, Georgia 30309-3929,
5	CISCO SYSTEMS, INC.,) Case No.	5	404-253-6917), by:
6) IPR2016-01020	6	MR. COREY J. MANLEY,
7	Petitioner,) -and-	7	cjmanley@duanemorris.com,
8) Case No.	8	appeared on behalf of Arris, Comcast,
9	-vs-) IPR2016-01021	9	Cox, Verizon, and Time Warner Cable;
10)	10	
11	TQ DELTA, LLC,) U.S. Patent No.	11	COOLEY LLP,
12) 9,014,243	12	(Reston Town Center,
13	Patent Owner.)	13	11951 Freedom Drive, 14th Floor,
14			14	Reston, Virginia 20190-5656,
15	The deposition of	DOUGLAS A. CHRISSAN,	15	703-456-8130), by:
16	Ph.D., taken in the above-en	titled cause, before	16	MR. STEPHEN McBRIDE,
17	SUSAN K. TODAY, a Notary Pub	lic within and for the	17	smcbride@cooley.com,
18	County of DuPage, State of I	llinois, and a	18	appeared via telephonic communications
19	Certified Shorthand Reporter	of said state, C.S.R.	19	on behalf of Dish Network;
20	No. 84-2212, at Suite 3500,	500 West Madison	20	
21	Street, Chicago, Illinois, o	n May 9, 2017,	21	
22	commencing at 9:12 a.m.		22	
23			23	
24			24	
		Page 2	-	Page
1	PRESENT:	0.1	1	PRESENT: (Continued)
2	HAYNES AND BOONE, LLE	р,	2	McANDREWS, HELD & MALLOY, LTD.,
3	(2323 Victory Avenue,	Suite 700,	3	(500 West Madison Street, 34th Floor,
4	Dallas, Texas 75219,		4	Chicago, Illinois 60661,
5	214-651-5533), by:		5	312-775-8000), by:
6	MR. JOHN RUSSELL EMER	SON,	6	MR. PETER J. MCANDREWS,
7	russ.emerson@haynesbo	oone.com,	7	pmcandrews@mcandrews-ip.com,
8	-and-		8	MR. RAJENDRA A. CHIPLUNKAR,
9	HAYNES AND BOONE, LLE),	9	rchiplunkar@mcandrews-ip.com,
10	(2505 North Plano Roa	d, Suite 4000,	10	appeared on behalf of the Patent Owner.
11	Richardson, Texas 75	082-4101,	11	
12	972-739-8649), by:		12	ALSO PRESENT:
13	MR. THEODORE M. FOSTE	IR,	13	MR. SAYFE KIAEI.
14	theo.foster@haynesboo	one.com,	14	
15	MR. GREGORY HUH,		15	
16	gregory.huh@haynesboo	one.com,	16	
17	appeared on beha	alf of the Petitioner;	17	
18			18	
19			19	
20			20	
21			21	
22			22	
			23	REPORTED BY: SUSAN K. TODAY, C.S.R., R.P.R.
23			1	

DOCKET ALARM Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

	SCO STSTEINIS VS TQ DELTA, LLC		
1	Page 5 MR. EMERSON: Good morning, Dr. Chrissan.	1	Page Q. Okay. All right. So that was number
2	How do you pronounce your name?	2	one. When was number two?
3	DR. DOUGLAS CHRISSAN: Chrissan, like the	3	A. Number two was March 20th March 22r
4	ship.	4	of this year.
5	MR. EMERSON: Chrissan. Okay. Great.	5	Q. Was that also related to these
5	Good morning, Dr. Chrissan. Do you	6	proceedings?
7	understand that you're here as TQ Delta's	7	A. No. That was related to the
3	testifying expert in four different IPRs?	8	intellectual ventures DSL case in the Western
)	DR. DOUGLAS CHRISSAN: 1 do.	9	District of Texas.
0	MR. EMERSON: And for the record those IPRs	10	Q. Okay. And then when was the next one?
1	are IPR2016-01006, -01007, -01008, and -01009,	11	A. The third one was April 13th of this
2	correct?		year for the same case.
3	DR. DOUGLAS CHRISSAN: Yes.	13	Q. And then this will be the fourth one?
4	(WHEREUPON, the witness was duly	14	A. This will be the fourth one.
5	sworn.)	15	Q. Okay. In your prior deposition in the
6	DOUGLAS A. CHRISSAN, Ph.D.,	16	related litigation for this family of patents what
7	called as a witness herein, having been first duly	17	were you opining on?
B	sworn, was examined and testified as follows:	18	You were engaged as an expert in that
9	EXAMINATION	19	case, right?
	BY MR. EMERSON:	20	A. Oh, yes.
1	Q. Great. So you don't want to change your	20	Q. Was it claim construction or invalidity?
	answers now that you've been sworn to tell the	21	A. I was opining with respect to
	truth? I'm kidding. Since I asked you the first	22	declarations that I had submitted for claim
	question before you were sworn in.	23	
+		24	
	Page 6		Page
	All right. You understand I represent	1	Q. So you understand that you're under oa
	Cisco in those four IPRs, right?		today, right?
3	A. Yes.	3	A. Yes.
•	Q. All right. And would you just state	4	Q. And it's the same oath you would take in
;	your full name for the record?	5	a court of law?
	A. My name is Douglas A. Chrissan.	6	A. Understood.
	Q. How many times have you been deposed	7	Q. And so you're sworn to tell the truth,
	before, Dr. Chrissan?	8	right?
	A. This will be my fourth.	9	A. That's correct.
)	Q. Okay. When was the first time you were	10	Q. Okay. Is there any reason why you car
	deposed?	11	give me complete and truthful answers today?
2	A. September of 2016.	12	A. No, there's no reason why I can't give
2 3	Q. Okay. And in what proceeding were you	13	complete and truthful answers today.
2 3 4	Q. Okay. And in what proceeding were you deposed in September of 2016?	13 14	complete and truthful answers today. Q. You're not on any medication or anythir
2 3 4 5	Q. Okay. And in what proceeding were you deposed in September of 2016?A. I was in this building. It was for the	13 14 15	complete and truthful answers today. Q. You're not on any medication or anythir like that?
2 3 4 5	Q. Okay. And in what proceeding were you deposed in September of 2016?A. I was in this building. It was for the district litigation for these essentially these	13 14 15 16	complete and truthful answers today. Q. You're not on any medication or anythin like that? A. No.
23455	Q. Okay. And in what proceeding were you deposed in September of 2016?A. I was in this building. It was for the	13 14 15	complete and truthful answers today. Q. You're not on any medication or anythin like that? A. No.
234557	Q. Okay. And in what proceeding were you deposed in September of 2016?A. I was in this building. It was for the district litigation for these essentially these	13 14 15 16	complete and truthful answers today. Q. You're not on any medication or anythin like that? A. No.
2 3 4 5 7 8	 Q. Okay. And in what proceeding were you deposed in September of 2016? A. I was in this building. It was for the district litigation for these essentially these same patents. 	13 14 15 16 17	complete and truthful answers today. Q. You're not on any medication or anythin like that? A. No. Q. Okay. So you see that we have a court
2 3 4 5 7 3 9	 Q. Okay. And in what proceeding were you deposed in September of 2016? A. I was in this building. It was for the district litigation for these essentially these same patents. Q. The Delaware case, the district court 	13 14 15 16 17 18	complete and truthful answers today. Q. You're not on any medication or anythin like that? A. No. Q. Okay. So you see that we have a court reporter here, right? A. Yes.
234567890	 Q. Okay. And in what proceeding were you deposed in September of 2016? A. I was in this building. It was for the district litigation for these essentially these same patents. Q. The Delaware case, the district court case? 	13 14 15 16 17 18 19	complete and truthful answers today. Q. You're not on any medication or anythin like that? A. No. Q. Okay. So you see that we have a court reporter here, right? A. Yes.
2345573901	 Q. Okay. And in what proceeding were you deposed in September of 2016? A. I was in this building. It was for the district litigation for these essentially these same patents. Q. The Delaware case, the district court case? A. I know it was a district court case. I 	13 14 15 16 17 18 19 20	 complete and truthful answers today. Q. You're not on any medication or anythin like that? A. No. Q. Okay. So you see that we have a court reporter here, right? A. Yes. Q. And she takes down everything we say
1234567890123	 Q. Okay. And in what proceeding were you deposed in September of 2016? A. I was in this building. It was for the district litigation for these essentially these same patents. Q. The Delaware case, the district court case? A. I know it was a district court case. I believe it was Delaware. I know it was for some of 	13 14 15 16 17 18 19 20 21	 complete and truthful answers today. Q. You're not on any medication or anythir like that? A. No. Q. Okay. So you see that we have a court reporter here, right? A. Yes. Q. And she takes down everything we say You understand that?



800.211.DEPO (3376) EsquireSolutions.com

Page 11 Page 9 1 A. I understand. 1 consultant. 2 Q. Sometimes I fall short on that so I'll 2 Q. What does that mean? 3 do my best to help her. 3 A. The self-employed part means that I am 4 The other thing is that we need audible 4 100-percent self-employed. I don't get a W-2 from 5 answers, words. 5 anyone; I'm not fully employed by any company. 6 A. Understood. 6 The technical consultant means I work Q. Not head nods or shakes or uh-huh or 7 7 for entities by the hour consulting as needed. uhn-uhn. Okay? 8 8 Q. What kind of consulting do you typically A. Understood. 9 9 do? 10 Q. I'll ask you to tell me if you don't 10 A. That is contained in the CV that I 11 understand my question. Okay? 11 believe would have been an attachment to my 12 A. I will. 12 declaration. 13 Q. We'll try to take a break at least every 13 I do IP litigation consulting as an 14 hour or so. Okay? 14 expert witness. I do IP litigation consulting 15 A. Okav. doing work that's non-expert witness work. I also 15 Q. Anytime you want to take a break, let me do technical work for engineering companies. All 16 16 17 know. I'm not going to keep you here against your 17 of those things are listed in my CV. 18 will. All I ask is that if there's a question 18 Q. Approximately what proportion of your 19 pending, let's finish the answer and then we can 19 consulting work is related to litigation? 20 take a break. 20 A. That would have to be taken on a 21 So you are engaged by TQ Delta in these 21 period-by-period basis because it varies. 22 IPRs, correct? 22 Q. Okay. Is there a typical range in which A. That's correct. 23 23 it varies? 24 Q. Do you remember when you were engaged by 24 A. I think you would have to ask a more Page 10 Page 12 1 TQ Delta? specific question. What do you mean by typical 1 range? It varies. 2 A. Approximately one year ago. 2 3 Q. All right. And who approached you on 3 Q. Okay. So is it ever 100-percent 4 behalf of TQ Delta? litigation-related? 4 A. An attorney in this office named Anna 5 5 A. There are times when it's 100-percent 6 Targowska. 6 litigation-related. 7 Q. Before Anna Targowska approached you Let me go back to your original 7 about this matter had you ever heard of TQ Delta? 8 question. Could you restate your original 8 9 A. I had not. 9 auestion? Q. Were you familiar at all with the three Q. I'm just trying to get a feel for the 10 10 patents at issue in these IPRs? proportion of your time that's devoted to 11 11 12 A. I was not. 12 litigation-type stuff and the proportion that's 13 Q. Do you have any financial interest in 13 related to non-litigation type stuff. That's all. 14 these proceedings? 14 A. Again, it varies. I don't spend 15 A. As stated in my declaration, I'm paid by 15 100-percent of my time on litigation consulting. I 16 the hour and that does not depend on any outcome. 16 don't spend 100-percent of my time on pure 17 Q. You don't own any stock in TQ Delta or 17 technical development work. 18 have ownership interest in TQ Delta? Q. When did you start doing litigation 18 consulting? 19 A. That's correct; I have no ownership 19 20 interest in TQ Delta and no -- how should I put 20 A. In 2013. 21 it? -- compensation depending on the outcome of Q. Okay. But you hadn't been deposed until 21 this litigation or this IPR. 22 last September? 22 23 23 Q. Okay. What do you do for a living? A. That's correct. 24 A. I am a self-employed technical 24 Other than these IPRs have you been Q.



DOCKE.

800.211.DEPO (3376) EsquireSolutions.com

May 09, 2017 9–12

13–1
Page 1
at Texas
al Texas
ed at Texas
ed or developed any
s Instruments I
systems. Those
ther than DSL.
ver to my question
0
?
?
ubscriber line.
mmunicate over
6
efore I worked at
ed in communication
n systems were other
I that?
it be fair to
exas Instruments yo
Page 1
hat I took
when I answered you
o me.
at before
ation experience was
rue. That's not
title at TI?
/. I joined TI
tem architect
ould want to look
g exactly.
s promoted to
ogram manager.
you manage
ual property
ition where you
I managed
development team.
and the way projects
11.DEPO (3370
1

DOCKET ALARM Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

-13	SCU SYSTEMS VS TQ DELTA, LLC		17-20
1	Page 17 were managed, I managed the engineers that were on	1	Page 19 products from different vendors would interoperate
2	that product development team.	2	with each other. That, of course, is the purpose
3	Q. Did you personally design hardware for	3	of a standard.
4	production?	4	Q. So would you agree with me then that
5	A. I architected the system. I was in the	5	engineers rely on the requirements articulated in
6	group that architected the DSL system. As it's	6	that standard?
7	stated in my CV, I spent a good deal of time	7	A. Could you give me a little bit more
в	working directly in the architecture of a DSL modem	8	detail about what you mean by, quote, unquote,
9	chipset. In addition, I managed and was very	9	relied on?
0	closely involved in the design of a DSL	10	Q. No. I don't know if I can. It seems
1	semi-conductor.	11	pretty simple.
2	Q. Did you personally develop any software	12	If one is designing a chipset that is
3		13	designed to be used in a DSL system, would it be
4	A. I did not type code if that's what you	14	important for one to rely on the relevant standard?
5	mean.	15	A. Okay. So you're saying take into
6	Q. Okay. Do you think that you well,	16	account the requirements. And well, the
7	would you say that you were involved in software	17	requirements and design specified by the standard
8	development for production?	18	in designing the product.
9	A. Yes. I was involved in software	19	Yes. The answer to that is yes. They
20	development in terms of setting requirements. I	20	rely on a number of other things as well; but to
1	personally wrote lengthy requirements documents.	21	the extent that functionality and requirements are
2		22	specified in the standard, engineers would rely on
3		22	that as aspects and functionality in the standard.
24		23	
.4	production release that went with the device, the	24	Q. And because engineers rely on those
4	First activers production release and the first	4	Page 20
1	first software production release and the first	1	aspects and functionality in the standard, it's
	hardware production release that went with the DSL	2	important for the standard to be precise in its
3	chipset modem system.	3	language, would you agree?
4	Q. What was that called?	4	A. Within the DSL art things have to be
5	A. That was called UR8. The code name	5	considered within the time frame that they
6	within TI was called UR8.	6	happened. It was known when the 1995 standard was
7	Q. Did the UR8 implement the T1.413	7	published that it was not precise enough to
3	standard?	8	guarantee interoperability among vendors.
9	A. It implemented ADSL2 and ADSL1. I	9	Without going into a long discussion
0	believe it was also backward-compatible with the	10	about the industry at that time, I can say that
1	T1.413 1998 standard as that standard was	11	most vendors at the time of Issue 1 had proprietary
	implemented at the time of release of the product.		systems. DSL was in its infancy. It was young.
3	Q. Let me back up. You're familiar with		DSL was young at the time. It had not been widely
	the T1.413 standard, correct?	14	1 y 8 y 1 1 y
5	A. Iam.	15	
6	Q. What is that standard?	16	I believe that some vendors at the time
7	A. The T1.413 standard is a standard for	17	were happy keeping things fairly proprietary and
8	describing digital subscriber line modems. A	18	not having a precise standard. Other vendors
9	version was published in 1995. It's typically	19	pushed harder for a more precise standard.
0	known as Issue 1. Another version was published in	20	The Issue 1 standard was not precise
	1998. It's typically known as Issue 2.	21	enough to guarantee interoperability among all
1	Those were standards used by those in	22	vendors. That was known.
	These were standards doed by these in		
21 22 23	the industry to produce functional standard	23	TI has a white paper that's still



800.211.DEPO (3376) EsquireSolutions.com

DOCKET ALARM Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

DOCKET A L A R M



Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.