1	UNITED STATES PATENT AND TRADEMARK OFFICE
2	
3	BEFORE THE PATENT TRIAL AND APPEAL BOARD
	DEFORE THE FATERI TRIAL AND AFFEAL BOARD
4	
5	ROKU, INC.,
6	Petitioner,
7	V.
8	UNIVERSAL ELECTRONICS, INC.
9	Patent Owner.
10	
11	Case No. IPR2019-01614
12	U.S. Patent 9,911,325
13	
14	Virtual Deposition of
15	MICHAEL D. SPRENGER, Ph.D
16	Wednesday, September 16, 2020
17	10:28 a.m. MST
18	
19	
20	Job No.: 320998
21	Pages: 1 - 80
22	Reported by: Elisabeth A. Miller Lorenz, RMI
<b>∠</b> ∠	Reported by: Errsabeth A. Mirrer Lorenz, RMI



1	Virtual deposition of MICHAEL D. SPRENGER,
2	Ph.D., taken pursuant to notice, before Elisabeth
3	A. Miller Lorenz, Registered Merit Reporter, Certified
4	Realtime Reporter, and a Notary Public in and for the
5	state of Tennessee.
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	



1		APPEARANCES
2		
3	ON BEHALF	OF PETITIONER:
4		TIMOTHY L. TANG, ESQUIRE
5		LESTIN KENTON, ESQUIRE
6		Sterne Kessler
7		1100 New York Avenue, N.W.
8		Washington, D.C. 20005-3934
9		202.371.2600
10		ttang@sternekessler.com
11		lkenton@sternekessler.com
12		
13	ON BEHALF	OF PATENT OWNER:
13 14	ON BEHALF	OF PATENT OWNER: NICHOLAS T. TSUI, ESQUIRE
	ON BEHALF	
14	ON BEHALF	NICHOLAS T. TSUI, ESQUIRE
14 15	ON BEHALF	NICHOLAS T. TSUI, ESQUIRE THOMAS W. DAVISON, ESQUIRE
14 15 16	ON BEHALF	NICHOLAS T. TSUI, ESQUIRE THOMAS W. DAVISON, ESQUIRE BENJAMIN S. PLEUNE, ESQUIRE
14 15 16 17	ON BEHALF	NICHOLAS T. TSUI, ESQUIRE THOMAS W. DAVISON, ESQUIRE BENJAMIN S. PLEUNE, ESQUIRE 1201 West Peachtree Street
14 15 16 17	ON BEHALF	NICHOLAS T. TSUI, ESQUIRE THOMAS W. DAVISON, ESQUIRE BENJAMIN S. PLEUNE, ESQUIRE 1201 West Peachtree Street Suite 4900
14 15 16 17 18	ON BEHALF	NICHOLAS T. TSUI, ESQUIRE THOMAS W. DAVISON, ESQUIRE BENJAMIN S. PLEUNE, ESQUIRE 1201 West Peachtree Street Suite 4900 Atlanta, Georgia 30309
14 15 16 17 18 19 20	ON BEHALF	NICHOLAS T. TSUI, ESQUIRE THOMAS W. DAVISON, ESQUIRE BENJAMIN S. PLEUNE, ESQUIRE 1201 West Peachtree Street Suite 4900 Atlanta, Georgia 30309 404.881.4962



1	APPEARANCES (Continued)
2	
3	ALSO PRESENT:
4	Jon Bortolini, Audiovisual Technician
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	

1		CONTENTS	
2	EXAMINATION	OF MICHAEL D. SPRENGER, Ph.D.	PAGE
3	By Mr.	Tang	6
4			
5		EXHIBITS	
6	SPRENGER DEI	POSITION EXHIBITS	PAGE
7	Exhibit 7	Declaration of Dr. Sprenger	8
8	Exhibit 8	'325 Patent	9
9	Exhibit 9	Russ Deposition Transcript	59
10	Exhibit 10	2020-02-10 Sprenger Declaration	71
11	Exhibit 11	2020-05-23 Paper 47 - Opinion	75
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			



# 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.

