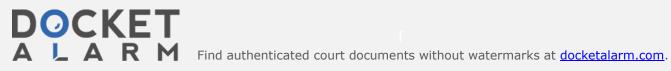
1	UNITED STATES PATENT AND TRADEMARK OFFICE
2	
3	BEFORE THE PATENT TRIAL AND APPEAL BOARD
4	
5	ROKU, INC.,
6	Petitioner,
7	V.
8	UNIVERSAL ELECTRONICS, INC.
9	Patent Owner.
10	
11	Case No. IPR2019-01612
12	U.S. Patent 7,589,642
13	
14	Virtual Deposition of
15	MICHAEL D. SPRENGER, Ph.D.
16	Tuesday, September 15, 2020
17	8:02 a.m. MST
18	
19	
20	Job No.: 320996
21	Pages: 1 - 250
22	Reported by: Elisabeth A. Miller Lorenz, RMR,



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Virtual deposition of MICHAEL D. SPRENGER,
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    Ph.D., taken pursuant to notice, before Elisabeth
    A. Miller Lorenz, Registered Merit Reporter, Certified
3
    Realtime Reporter, and a Notary Public in and for the
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5
    state of Tennessee.
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