	Page 1
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2	UNITED STATES PATENT AND TRADEMARK OFFICE
3	BEFORE THE PATENT TRIAL AND APPEAL BOARD
4	x
5	ILLUMINA, INC.,
6	Petitioner,
7	vs.
8	THE TRUSTEES OF COLUMBIA UNIVERSITY
9	IN THE CITY OF NEW YORK,
10	Patent Owner.
11	x
12	IPR2018-00291 IPR2018-00318
13	IPR2018-00322 IPR2018-00385
L 4	IPR2018-00797
15	
16	VIDEOTAPE DEPOSITION
17	STEVEN M. MENCHEN, PH.D.
18	New York, New York
19	January 14, 2019
2 0	9:21 a.m.
21	
2 2	
23	Reported by:
	ERICA L. RUGGIERI, RPR
2 4	TH • E 1040
2 5	Illumina Ex. 1048 IPR Petition - USP 10 435 742



Page 2 January 14, 2019 9:21 a.m. Videotape Deposition of STEVEN M. MENCHEN, PH.D., held at the offices of Venable Fitzpatrick, 1290 Avenue of the Americas, New York, New York, pursuant to Notice, before Erica L. Ruggieri, Registered Professional Reporter and Notary Public of the State of New York.



Page 3 1 2 APPEARANCES: 3 4 ATTORNEYS FOR PETITIONER: KNOBBE MARTENS 12790 El Camino Real 5 San Diego, California 92130-2008 6 NATHANIEL R. LUMAN Ph.D., ESQ. nate.luman@knobbe.com 7 -and-8 WEIL, GOTSHAL & MANGES, LLP 9 201 Redwood Shores Parkway Redwood Shores, California 94065-1175 10 EDWARD R. REINES, ESQ. BY: edward.reines@weil.com 11 12 ATTORNEYS FOR PATENT OWNER: VENABLE FITZPATRICK 1290 Avenue of the Americas 13 New York, NEW YORK 10104 14 By: ROBERT S. SCHWARTZ, Ph.D., ESQ. rschwartz@Venable.com JOHN D. MURNANE, ESQ. 15 jmurnane@venable.com 16 ZACHARY L. GARRETT, ESQ. zgarrett@venable.com 17 18 ALSO PRESENT: 19 JOHN WHITE, Cooper & Dunham 20 JEFFREY L. KESTLER, Columbia MARCUS BIRCH, Illumina 21 KARYN Y. HUI, Columbia University TERESA CHEN, Columbia University 22 FLOYD ROMESBERG, Scripts Research Institute 23 DEVERELL WHITE, Videographer 24 25



THE VIDEOGRAPHER: We are going on the record at 9:21 a.m. on January 14, 2019. Please note that the microphones are sensitive and may pick up whispering and private conversations.

Please place all cellphones away from the microphones as they can interfere with deposition audio.

Audio and video recording will continue to take place unless all parties agree to go off the record.

This is media unit one of the video recorded deposition of Dr. Steven Menchen taken by counsel for the petitioner in the matter of Illumina, Incorporated versus The Trustees of Columbia University in the City of New York, IPR 2018-00291, 318, 322, 385, 797. This is filed in the U.S. Patent and Trademark Office.

We are at the offices of



Page 5

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Venable Fitzpatrick located at 1290

3 Avenue of the Americas, New York,

New York.

5 My name is Deverell White

6 representing Veritext Legal

7 Solutions.

8 At this time will counsel

9 please state their appearances.

MR. REINES: Edward Reines on

11 behalf of the petitioner.

MR. LUMAN: Nate Luman on

13 behalf of petitioner.

MR. BIRCH: Marcus Birch,

15 Illumina.

MR. ROMESBERG: Floyd

17 Romesberg, Scripts Research

18 Institute.

MR. SCHWARTZ: And Robert

20 Schwartz from Venable Fitzpatrick

for Columbia University and the

22 witness. And with me is John

23 Murnane and Zachary Garrett from

24 Venable Fitzpatrick. Also John

25 White from Cooper & Dunham and Jeff



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