1	UNITED STATES PATENT AND TRADEMARK OFFICE				
2					
_	BEFORE THE PATENT TRIAL AND APPEAL BOARD				
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4					
5	FACEBOOK, INC., INSTAGRAM, LLC, and WHATSAPP INC.,				
6	Petitioners,				
7	v.				
8	BLACKBERRY LIMITED,				
9	Patent Owner.				
10					
11	IPR2019-00516				
12	and				
13	IPR2019-00528				
14					
15	DEPOSITION OF SANDEEP CHATTERJEE, PH.D.				
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17					
18	Thursday, November 7, 2019				
19	San Francisco, California				
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21					
22	Reported by:				
23	Hanna Kim, CLR, CSR No. 13083				
24	Job No. 3620916				
25	Pages 1- 131				
	Page 1				



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                Deposition of SANDEEP CHATTERJEE, PH.D.,
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                taken on behalf of the Patent Owner, at
                the law offices of Quinn, Emanuel,
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                Urquhart & Sullivan, on Thursday,
                November 7, 2019, before Hanna Kim, CLR,
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                Certified Shorthand Reporter, No. 13083.
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9		8,279,173		
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