

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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FACEBOOK, INC., INSTAGRAM, LLC, and WHATSAPP INC.,  
*Petitioners,*

v.

BLACKBERRY LIMITED,  
*Patent Owner*

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IPR2019-00528  
U.S. Patent No. 8,279,173

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**PATENT OWNER'S PRELIMINARY RESPONSE  
PURSUANT TO 35 U.S.C. § 313 AND 37 C.F.R. § 42.107**

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