

Paper No. \_\_\_\_\_

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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CISCO SYSTEMS, INC. and QUANTUM CORPORATION,  
Petitioners,

v.

CROSSROADS SYSTEMS, INC.,  
Patent Owner.

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Case IPR2014-01544  
Patent 7,051,147

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**PETITIONERS' REPLY TO PATENT OWNER'S RESPONSE**

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