## UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC., Petitioner,

v.

MPH TECHNOLOGIES OY, Patent Owner.

Case IPR2019-00820 Patent 7,937,581

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PATENT OWNER'S PRELIMINARY RESPONSE

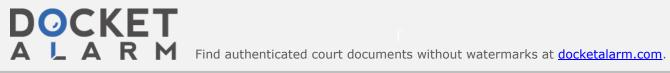


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