### UNITED STATES PATENT AND TRADEMARK OFFICE

## BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC. Petitioner

v.

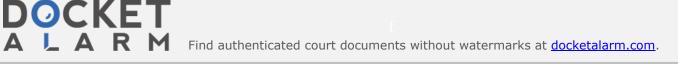
TELEFONAKTIEBOLAGET LM ERICSSON Patent Owner

> Case IPR2022-00457 U.S. Patent No. 9,509,440

## PATENT OWNER'S PRELIMINARY RESPONSE

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Patent Trial and Appeal Board U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450



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