

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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APPLE INC.,  
Petitioner

v.

TELEFONAKTIEBOLAGET LM ERICSSON,  
Patent Owner

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IPR2022-00338  
U.S. Patent 8,995,357

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**PATENT OWNER'S PRELIMINARY RESPONSE**

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