

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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APPLIED MATERIALS, INC.  
Petitioner,

v.

DEMARAY LLC  
Patent Owner.

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Case IPR2021-00103  
Patent No. 7,544,276

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**PATENT OWNER'S PRELIMINARY RESPONSE**

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U.S. Patent and Trademark Office  
P.O. Box 1450  
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