

Filed on behalf of: Nichia Corp.

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Date filed: June 11, 2018

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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VIZIO INC.,  
Petitioner,

v.

NICHIA CORP.,  
Patent Owner.

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Case IPR2017-01608  
Patent 8,530,250

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**SECOND DECLARATION OF DR. E. FRED SCHUBERT**

**NICHIA EXHIBIT 2031**  
*Vizio, Inc. v. Nichia Corp. Case*  
IPR2018-00437

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**SECOND DECLARATION OF DR. E. FRED SCHUBERT**

**NICHIA EXHIBIT 2030**

*Vizio, Inc. v. Nichia Corp.*  
Case IPR2017-01608

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