

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

TCL MULTIMEDIA TECHNOLOGY HOLDINGS LIMITED AND
TTE TECHNOLOGY, INC.,

Petitioners

v.

NICHIA CORPORATION,

Patent Owner

U.S. Patent No. 8,309,375

“Light Emitting Device and Display”

Inter Partes Review No. 2017-02001

**DECLARATION OF DR. ERIC BRETSCHNEIDER
IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW OF U.S.
PATENT NO. 8,309,375**

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I, Eric Bretschneider, do hereby declare and state as follows:

I. BACKGROUND AND QUALIFICATIONS

1. I have over 25 years of experience with lighting and LEDs, including a comprehensive background on the full range of LED production technologies, including MOCVD hardware/process, fabrication, LED chip and package testing and reliability, optical design, thermal management, color conversion, and SSL fixture/lamp design, integration, and reliability.

2. I am currently the Chief Technology Officer at EB Designs & Technology. In that capacity, I am (among other things) responsible for the design of solid-state lighting technologies for clients ranging from startups to Fortune 100 companies.

3. I am also currently a member of the University of Florida Department of Chemical Engineering Advisory Board. And I have been a Conference Chair for LED Measurement and Standards. I am also a member of a number of professional societies, including SPIE, Materials Research Society, Illuminating Engineering Society (including a member of numerous committees, including the IES test procedures committee).

4. Prior to my position at EB Designs & Technology, I served as the Director of Engineering at HeathCo, LLC. In that capacity, I was responsible for advanced technology/product development related to solid state lighting, sensors,

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