

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of: Tien Yang Wang
U.S. Patent No.: 6,936,851 Attorney Docket No.: 43849-0001IP1
Issue Date: August 30, 2005
Appl. Serial No.: 10/394,686
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Title: Semiconductor Light-Emitting Device and Method for
Manufacturing the Same

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**PETITION FOR *INTER PARTES* REVIEW OF UNITED STATES PATENT
NO. 6,936,851 PURSUANT TO 35 U.S.C. §§ 311–319, 37 C.F.R. § 42**

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EXHIBITS

- TCL-1001 U.S. Patent No. 6,936,851 to Wang (“the ’851 patent”)
- TCL-1002 Prosecution History of the ’851 Patent (“the Prosecution History”)
- TCL-1003 Declaration of Dr. W.R. Bottoms
- TCL-1004 Curriculum Vitae of Dr. W.R. Bottoms
- TCL-1005 (Reserved)
- TCL-1006 U.S. Patent No. 5,718,738 (“Kohnke”)
- TCL-1007 U.S. Patent No. 5,874,747 (“Redwing”)
- TCL-1008 U.S. Patent No. 6,870,191 (“Niki”)
- TCL-1009 *Lexington Luminance LLC’s Response in Opposition to Feit Electric Company’s Motion for Summary Judgment of Non-Infringement*, filed October 1, 2013 in *Lexington v. Feit Electric*, Case No. No. 1:12-cv-11554-WGY (D. Mass), Paper 128.
- TCL-1010 *Opening Expert Report of David P. Bour, Ph.D. Concerning Infringement of Lexington Luminance’s Patent*, filed July 9, 2013 in *Lexington v. Feit Electric*, Case No. No. 1:12-cv-11554-WGY (D. Mass), Paper 132-3.
- TCL-1011 *Declaration of Dr. David P. Bour*, filed October 1, 2013 in *Lexington v. Feit Electric*, Case No. No. 1:12-cv-11554-WGY (D. Mass), Paper 131.
- TCL-1012 Schubert, *Light-Emitting Diodes: Second Edition*, pp. 212, 223, Cambridge Press (2006) (“Schubert”)

- TCL-1013 Huang et al., *High-efficiency InGaN-based LEDs grown on patterned sapphire substrates*, Optics Express, Vol. 19, No. S4 (2011) (“Huang”)
- TCL-1014 *Lexington Luminance LLC v. Amazon.com Inc.*, 601 F. App’x 963 (Fed. Cir. 2015) (“Federal Circuit Claim Construction Order”)
- TCL-1015 Claim Construction Memorandum and Order, *Lexington Luminance v. Amazon.com et al.*, Case No. 12-cv-12216-DJC, Paper 196, entered April 4, 2016 (D. Mass) (“Amazon Claim Construction Order”)
- TCL-1016 Claim Construction Memorandum and Order, *Lexington Luminance v. Google*, Case No. 12-12218-RGS, Paper 113, entered March 29, 2016 (D. Mass) (“Google Claim Construction Order”)
- TCL-1017 Lexington Luminance LLC’s Claim Construction Reply Brief, *Lexington Luminance v. Amazon.com et al.*, Case No. 12-cv-12216-DJC, Paper 133, entered September 29, 2015 (D. Mass) (“Lexington Claim Construction Brief”)
- TCL-1018 Excerpts from File History of Reexamination No. 90/012,964
- TCL-1019 *LG Innotek v. Lexington Luminance, LLC*, IPR2017-00052, Paper 7 (Institution Decision) (PTAB March 30, 2017)
- TCL-1020 *Samsung Electronics Co., Ltd. v. Lexington Luminance, LLC*, IPR2017-00539, Paper 8 (Institution Decision) (PTAB June 20, 2017)
- TCL-1021 *Samsung Electronics Co., Ltd. v. Lexington Luminance, LLC*, IPR2017-00540, Paper 8 (Institution Decision) (PTAB June 20, 2017)

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