U. S. PATENT NO. 8,309,375 Petition for *Inter Partes* Review

Docket No. 1285100-0002 Filed on behalf of VIZIO, Inc. By: David M. Tennant, Reg. No. 48,362 White & Case LLP 701 Thirteenth Street, NW Washington, DC 20005 Tel: (202) 626-3684 Email: dtennant@whitecase.com

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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

VIZIO, Inc. Petitioner

v.

Nichia Corporation Patent Owner

Case No. Unassigned

PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 8,309,375 UNDER 35 U.S.C. §§ 311-319 AND 37 C.F.R. §§ 42.1-.9-, 42.100-.123

Claims 1 & 4

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	A. Ground I: Claims 1 and 4 are rendered obvious by Baretz in view of Pinnow					
	1. Claim 1		n 1 26			
			(a)	Preamble: "A method for manufacturing a light emitting device comprising:"		
			(b)	Element [1.A.1] : "preparing a light emitting component having an active layer of a semiconductor,"		
		(c)	Element [1.A.2] "said active layer comprising a gallium nitride based semiconductor containing indium and being capable of emitting a blue color light having a spectrum with a peak wavelength within the range from 420 to 490 nm;"			
			(d)	Element [1.B.1] : "preparing a phosphor capable of absorbing a part of the blue color light emitted from said light emitting component and emitting a yellow color light having a broad emission spectrum comprising a peak wavelength existing around the range from 510 to 600 nm and a tail continuing beyond 700 nm,"		
			(e)	Element [1.B.2] : "wherein selection of said phosphor is controlled based on an emission wavelength of said light emitting component; and"43		
			(f)	Element [1.C.1] : "combining said light emitting component and said phosphor so that the blue color light from said light emitting component and the yellow color from said phosphor are mixed to make a white color light,"		

		(g)	Element [1.C.2] : "wherein a chromaticity point of the white color light is on a straight line connecting a point of chromaticity of the blue color light and a point of chromaticity of the yellow color light, and"				
		(h)	Element [1.D] : "wherein a content of said phosphor in said light emitting device is selected to obtain a desired chromaticity of the white color light."				
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Β.	Grow view 1.	und II: v of Pir Clai (a)	Claims 1 and 4 are rendered obvious by Baretz in mow, and further in view of Nakamura and Schuil71 m 1 71 Preamble: " <i>A method for manufacturing a light</i> <i>emitting device comprising:</i> "				
Β.	Grow view 1.	und II: v of Pir Clai (a) (b)	Claims 1 and 4 are rendered obvious by Baretz in mow, and further in view of Nakamura and Schuil71 m 1 71 Preamble: "A method for manufacturing a light emitting device comprising:"71 Element [1.A.1] : "preparing a light emitting component having an active layer of a semiconductor,"				
Β.	Grow view 1.	und II: v of Pir Clai (a) (b) (c)	Claims 1 and 4 are rendered obvious by Baretz in now, and further in view of Nakamura and Schuil71 m 1				

		around the range from 510 to 600 nm and a tail continuing beyond 700 nm,"75		
	(e)	Element [1.B.2] : "wherein selection of said phosphor is controlled based on an emission wavelength of said light emitting component; and"76		
	(f)	Element [1.C.1] : "combining said light emitting component and said phosphor so that the blue color light from said light emitting component and the yellow color from said phosphor are mixed to make a white color light,"		
	(g)	Element [1.C.2] : "wherein a chromaticity point of the white color light is on a straight line connecting a point of chromaticity of the blue color light and a point of chromaticity of the yellow color light, and"		
	(h)	Element [1.D] : "wherein a content of said phosphor in said light emitting device is selected to obtain a desired chromaticity of the white color light."		
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