

**Petitioner VIZIO's  
Demonstrative Slides**

***VIZIO, Inc. v. Nichia Corp.  
Inter Partes Review of U.S. Patent Nos.  
9,490,411 and 9,537,071***

IPR2018-00386 and IPR2018-00437  
Patent Trial and Appeal Board  
United States Patent and Trademark Office

***March 5, 2019***

## Table of Abbreviations

Abbreviation	Description
{2018-00386, Pap. 1 (Petition)	Petition for <i>Inter Partes</i> Review of United States Patent No. 9,490,411
{2018-00386, Pap. 8 (POPR)	Patent Owner's Preliminary Response
{2018-00386, Pap. 15 (Inst. Dec.)	Institution Decision
{2018-00386, Pap. 20 (POR)	Patent Owner's Response
{2018-00386, Pap. 24 (Pet. Reply)	Petitioner's Reply to Patent Owner's Response
{2018-00386, Pap. 28 (PO Sur- oly)	Patent Owner's Sur-Reply
{2018-00386, Pap. 34 (Pet. RSR)	Petitioner's Reply to Patent Owner's Sur-Reply
{2018-00386, Pap. 35 (PO RRSR)	Response to Petitioner's Reply to Patent Owner's Sur-Reply
{2018-00437, Pap. 2 (Petition)	Petition for <i>Inter Partes</i> Review of United States Patent No. 9,537,071
{2018-00437, Pap. 17 (Inst. Dec.)	Institution Decision
{2018-00437, Pap. 22 (POR)	Patent Owner's Response
{2018-00437, Pap. 31 (Pet. Reply)	Petitioner's Reply to Patent Owner's Response
{2018-00437, Pap. 39 (PO Sur- oly)	Patent Owner's Sur-Reply
{2018-00437, Pap. 46 (Pet. RSR)	Petitioner's Reply to Patent Owner's Sur-Reply
{2018-00437, Pap. 47 (PO RRSR)	Response to Petitioner's Reply to Patent Owner's Sur-Reply
{2018-00437, Pap. 24 (PO Mot. end)	Patent Owner's Contingent Motion to Amend Claims
{2018-00437, Pap. 32 (Pet. Opp. t. Amend)	Petitioner's Opposition to Patent Owner's Contingent Motion to Amend Claims
{2018-00437, Pap. 34 (PO Reply t. Amend)	Reply to Petitioner's Opposition to Patent Owner's Contingent Motion to Amend Claims
{2018-00437, Pap. 42 (Pet. Sur- oly Mot. Amend)	Petitioner's Sur-Reply to Patent Owner's Contingent Motion to Amend Claims

Note: Where only an exhibit number is cited, exhibit is identical in both proceedings (e.g., Ex. 1003 (Loh))

# Instituted Grounds in IPR2018-00386 and IPR2018-00437

The Challenged Claims Are Unpatentable As Anticipated and/or Obvious Over:

Reference(s)	Basis	'411 Claims Challenged IPR2018-00386	'071 Claims Challenged IPR2018-00437
h	§ 102	1-3, 5-8, 13, 15, 19-20	1, 4, 8-9, 11-12, 15-18, 25
h	§ 103	1-3, 5-8, 13, 15, 19-20	1, 4, 8-9, 11-12, 15-18, 25
h and Mori	§ 103	10	2, 19
h and Wang	§ 103	16-18	5-7, 21-23
h, Wang, and Oshio	§ 103	16-18	5-7, 21-23

IPR2018-00386, Pap. 15 (Inst. Dec.), 21; IPR2018-00437, Pap. 17 (Inst. Dec.), 18.

## Overview Of The Issues

Whether Loh discloses “both a part of the metal part and a part of the resin part are disposed in a region below an upper surface of the metal part, on four outer lateral surfaces of the resin package”

Whether Loh discloses “a resin package comprising a resin part and a metal part”

Whether Patent Owner’s proposed amended ’071 patent claims lack written description support under 35 U.S.C. ¶112

Whether Patent Owner’s proposed amended ’071 patent claims are unpatentable under 35 U.S.C. ¶103

## IPR2018-00386

**“both a part of the metal part and a part of the resin part are disposed in a region below an upper surface of the metal part, on four outer lateral surfaces of the resin package”**

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