

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 CORPORATION,  
Patent Owner

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Case No. IPR2018-00437  
Patent 9,537,071

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**DECLARATION OF DRAGO N. GREGOV**

I, Drago N. Gregov, make the following Declaration pursuant to 28 U.S.C.

§ 1746:

1. I am a Litigation Paralegal Specialist at the law firm of Ropes & Gray LLP.
2. I provide this Declaration in connection with the above-identified *Inter Partes* Review proceeding requested at the United States Patent and Trademark Office by VIZIO, Inc. Unless otherwise stated, the facts stated in this Declaration are based on my personal knowledge.
3. **Exhibit 1018** hereto is a true and correct copy of excerpts from the File History of U.S. Patent Application No. 15/360,316 (U.S. Patent No. 10,115,870) to Hirofumi Ichikawa, Masaki Hayashi, Shimpei Sasaoka and Tomohide Miki, which I downloaded on December 6, 2018 from the United States Patent and Trademark Office (“USPTO”) Patent Application Information Retrieval (“PAIR”) website and which is a record of the USPTO to which all parties have access. An exhibit label and page numbers on all pages have been added to the bottom of this document but no other alterations have been made.
4. **Exhibit 1020** hereto is a true and correct copy of United States Patent Publication No. 2005/0151149 by Chee Wai Chia, Peng Koay and Lye Yee Wong, which I downloaded on December 6, 2018 from the United States Patent and Trademark Office (“USPTO”) Patent Application Information Retrieval (“PAIR”)

website and which is a record of the USPTO to which all parties have access. An exhibit label and page numbers on all pages have been added to the bottom of this document but no other alterations have been made.

5. **Exhibit 1021** hereto is a true and correct copy of United States Patent Publication No. 2004/0126913 by Ban P. Loh, which I downloaded on December 6, 2018 from the United States Patent and Trademark Office (“USPTO”) Patent Application Information Retrieval (“PAIR”) website and which is a record of the USPTO to which all parties have access. An exhibit label and page numbers on all pages have been added to the bottom of this document but no other alterations have been made.

6. **Exhibit 1022** hereto is a true and correct copy of United States Patent Publication No. 2005/0269587 by Ban P. Loh and Gerald H. Negley, which I downloaded on December 6, 2018 from the United States Patent and Trademark Office (“USPTO”) Patent Application Information Retrieval (“PAIR”) website and which is a record of the USPTO to which all parties have access. An exhibit label and page numbers on all pages have been added to the bottom of this document but no other alterations have been made.

7. **Exhibit 1029** hereto is a true and correct copy of U.S. Patent No. 10,115,870 to Hirofumi Ichikawa, Masaki Hayashi, Shimpei Sasaoka and Tomohide Miki, which I downloaded on December 10, 2018 from the United

States Patent and Trademark Office (“USPTO”) Patent Application Information Retrieval (“PAIR”) website and which is a record of the USPTO to which all parties have access. An exhibit label and page numbers on all pages have been added to the bottom of this document but no other alterations have been made.

8. **Exhibit 1030** hereto is a true and correct copy of U.S. Patent No. 6,770,498 to Cheng-Hsiang Hsu, which I downloaded on December 6, 2018 from the United States Patent and Trademark Office (“USPTO”) Patent Application Information Retrieval (“PAIR”) website and which is a record of the USPTO to which all parties have access. An exhibit label and page numbers on all pages have been added to the bottom of this document but no other alterations have been made.

9. **Exhibit 1031** hereto is a true and correct copy of Japanese Patent Publication No. JP2007-235085 by Naoyuki Urasaki, which I downloaded on December 7, 2018 from the European Patent’s Office (“EPO”) Espacenet search page <http://worldwide.espacenet.com> (a record of the EPO to which all parties have access), and a true and correct copy of a translation of the text of that document and a certification of accuracy regarding that translation provided by Geotext Translations, Inc. An exhibit label and page numbers on all pages have been added to the bottom of this document but no other alterations have been made.

10. **Exhibit 1032** hereto is a true and correct copy of Japanese Patent Publication No. JP2006-156704 by Masafumi Kuramoto and Tomohisa Kishimoto, which I downloaded on December 7, 2018 from the European Patent's Office ("EPO") Espacenet search page <http://worldwide.espacenet.com> (a record of the EPO to which all parties have access), and a true and correct copy of a translation of the text of that document and a certification of accuracy regarding that translation provided by Geotext Translations, Inc. An exhibit label and page numbers on all pages have been added to the bottom of this document but no other alterations have been made.

11. **Exhibit 1033** hereto is a true and correct copy of Japanese Patent Publication No. JP2001-036154 by Ryoma Suenaga and YoichiMatsuoka, which I downloaded on December 7, 2018 from the European Patent's Office ("EPO") Espacenet search page <http://worldwide.espacenet.com> (a record of the EPO to which all parties have access), and a true and correct copy of a translation of the text of that document and a certification of accuracy regarding that translation provided by Geotext Translations, Inc. An exhibit label and page numbers on all pages have been added to the bottom of this document but no other alterations have been made.

12. **Exhibit 1034** hereto is a true and correct copy of U.S. Patent No. 6,433,277 to Thomas P. Glenn, which I downloaded on December 7, 2018 from

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