## Paper No.

# UNITED STATES PATENT AND TRADEMARK OFFICE 

## BEFORE THE PATENT TRIAL AND APPEAL BOARD

XILINX, INC, Petitioner

v.

## Patent of INTELLECTUAL VENTURES MANAGEMENT, LLC, Patent Owner.

Patent No. 5,632,545
Issue Date: May 27, 1997
Title: ENHANCED VIDEO PROJECTION SYSTEM

Inter Partes Review No. IPR2013-00029

PETITIONER'S NOTICE OF SUPPLEMENTAL EVIDENCE

## PETITIONER'S NOTICE OF SUPPLEMENTAL EVIDENCE

Petitioner Xilinx hereby submits a supplemental declaration of Dr. A. Bruce Buckman in support of its Petition for Inter Partes Review of U.S. Patent No. 5,632,545. [Ex. 1021] On September 13, 2013, Patent Owner Intellectual Ventures filed an objection to two of Dr. Buckman's declaration (Ex. 1012 and 1013), on the grounds that he is not a qualified expert (despite his nearly 45 -year career as a professor of electrical engineering specializing in optics). Dr.

Buckman's supplemental declaration explains how his education, experience, and writings are relevant to the subject matter of the ' 545 patent. Dr. Buckman also provides an excerpt from his textbook that is directly relevant to the objections raised by IV. [Ex. 1022]

These submissions are authorized by 37 C.F.R. § 42.64(b)(2), which permits a party to submit supplemental evidence in response to an objection.

A revised exhibit list is attached below.

Dated: September 16, 2013
Respectfully submitted,

By: /David L. McCombs/
David L. McCombs
Registration No. 32,271
Counsel for Petitioner

## PETITIONER'S REVISED EXHIBIT LIST

September 16, 2013

| XLNX-1001 | U.S. Patent No. 5,632,545 to Kikinis |
| :--- | :--- |
| XLNX-1002 | U.S. Patent No. 5,108,172 to Flasck |
| XLNX-1003 | U.S. Patent No. 5,264,951 to Takanashi |
| XLNX-1004 | U.S. Patent No. 5,287,131 to Lee |
| XLNX-1005 | U.S. Patent No. 5,784,038 to Irwin |
| XLNX-1006 | Declaration of A. Bruce Buckman, Ph.D. Under 37 C.F.R. § <br> 1.68 |
| XLNX-1007 | Curriculum vitae of A. Bruce Buckman, Ph.D. |
| XLNX-1008 | File History of U.S. Patent No. 5,632,545 |
| XLNX-1009 | U.S. Patent No. 5,692,821 to Rodriguez, Jr. et al. |
| XLNX-1010 | U.S. Patent No. 5,313,234 to Edmonson et al. |
| XLNX-1011 | U.S. Patent No. 5,136,397 to Miyashita |
| XLNX-1012 | Declaration of A. Bruce Buckman, Ph.D. under 37 C.F.R. § <br> 1.68 directed to the proposed substitute claims |
| XLNX-1013 | Declaration of A. Bruce Buckman, Ph.D. under 37 C.F.R. § <br> 1.68 directed to reply |
| XLNX-1014 | Deposition Transcript Of Robert Smith-Gillespie Vol. 1 <br> (August 29, 2013) |
| XLNX-1015 | Deposition Transcript Of Robert Smith-Gillespie Vol. 2 |
| XLNX-1016 | Excerpts from Spatial Light Modulator Technology (Uzi <br> Efron ed., Marcel Dekker 1995) |

XLNX-1017 Excerpts from the Merriam Webster Dictionary of "Equivalent"

XLNX-1018 U.S. Patent No. 5,402,145
XLNX-1019 Lawrence E. Tannas, Flat-Panel Displays and CRTs (1985)
XLNX-1020 Excerpt From The Declaration Of Robert Smith-Gillespie In The ' 334 IPR.

XLNX-1021 Supplemental Declaration of A. Bruce Buckman, Ph.D.
XLNX-1022 Excerpt from A. Bruce Buckman, Guided-Wave Photonics (1992)

## CERTIFICATE OF SERVICE

The undersigned hereby certifies that a copy of the foregoing notice was served on September 16, 2013, by serving a physical copy via Federal Express on Foley and Lardner LLP, Attention: George E. Quillin at 3000 K Street N.W., Suite 600, Washington D.C. 20007.

Dated: September 16, 2013
Respectfully submitted,

By: /Thomas B. King/ Thomas B. King Registration No. 69,721 Counsel for Petitioner

