

Petition For *Inter Partes* Review  
U.S. Patent No. 9,336,336

Paper No. \_\_\_\_\_

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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**EXOCAD GMBH AND EXOCAD AMERICA, INC.**

Petitioner,

v.

**3SHAPE A/S,**

Patent Owner.

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Patent No. 9,336,336

Issue Date: May 10, 2016

Title: 2D IMAGE ARRANGEMENT

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*Inter Partes* Review No. Unassigned

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**PETITION FOR *INTER PARTES* REVIEW  
UNDER 35 U.S.C. §§ 311-319 AND 37 C.F.R. § 42.100 *ET SEQ.***

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**EXHIBIT LIST**

| <b>Ex. #</b> | <b>Exhibit</b>  |
|--------------|---|
| 1001         | U.S. Pat. No. 9,336,336 to Deichmann <i>et al.</i> (“the ’336 patent”)  |
| 1002         | Declaration of Joseph Mundy, Ph.D.  |
| 1003         | <i>Curriculum Vitae</i> of Joseph Mundy, Ph.D.  |
| 1004         | Image File Wrapper for the ’336 patent  |
| 1005         | U.S. Patent No. 7,156,655 to Sachdeva <i>et al.</i>   |
| 1006         | International Publication Number WO 2008/128700 A1 to Malfliet <i>et al.</i>  |
| 1007         | Wiedmann, Oliver, “According to the Laws of Harmony ... to find the right tooth shape with the assistance of the computer,” Digital Dental News, 2 <sup>nd</sup> Volume, April 2008 |
| 1008         | U.S. Patent No. 6,845,175 to Kopelman <i>et al.</i>   |
| 1009         | U.S. Patent No. 6,568,936 to MacDougald   |
| 1010         | Lehman, Thomas M., <i>et al.</i> , “Survey: Interpolation Methods in Medical Image Processing,” IEEE Transactions on Medical Imaging, Vol. 18, No. 11, November 1999                |
| 1011         | U.S. Patent Publication No. US2002/0075389 to Seeger  |
| 1012         | Definition of “virtual” from <a href="http://www.webopedia.com">www.webopedia.com</a>   |
| 1013         | U.S. Patent No. 7,234,937 to Sachdeva <i>et al.</i>   |

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