

Draft 09/01/2009

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: William Freeman

Description of item under review for fair use: Figure 1: Vertical Capacitive Sense (a), Lateral Capacitive Sense (b).
Source: N. Yazdi, F. Ayazi, and K. Najafi, "Micromachined inertial sensors," Proceedings of the IEEE, vol. 86, pp. 1640-1659, 1998.

Report generated on: 04-17-2013 at : 11:32:33

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: *in favor of fair use*

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: *in favor of fair use*

Based on the information you provided, your use of the copyrighted work weighs: *in favor of fair use*



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Name: William Freeman

Description of item under review for fair use: Figure 2: Mass Spring Model of MEMS Gyroscope. Source: A. M. Shkel, C. Acar, and C. Painter, "Two types of micromachined vibratory gyroscopes," in Sensors, 2005 IEEE, 2005, p. 6 pp.

Report generated on: 04-17-2013 at : 11:35:08

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

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Factor 4

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Name: William Freeman

Description of item under review for fair use: Figure 3: Physical Model of a MEMS Gyroscope. Source: A. M. Shkel, C. Acar, and C. Painter, "Two types of micromachined vibratory gyroscopes," in Sensors, 2005 IEEE, 2005, p. 6 pp.

Report generated on: 04-17-2013 at : 11:36:02

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: *in favor of fair use*

Factor 4

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Name: William Freeman

Description of item under review for fair use: Figure 4: Impact of linear motion and rotational motion on the image plane, respectively Source: S. N. David Sachs, Daniel Goehl, "Image Stabilization Technology Overview ", ed.

Report generated on: 04-17-2013 at : 11:39:50

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

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Description of item under review for fair use: Figure 5: Optical Stabilization using Lens Shift, a) no jitter involved. b) jitter involved with no compensation. c) jitter involved with compensation. Source: <http://www.canon.com/bctv/faq/optis.html>

Report generated on: 04-17-2013 at : 11:41:19

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

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Name: William Freeman

Description of item under review for fair use: Figure 6: Sony Corporation's Optical Image Stabilizer. Source: K. Sato, S. Ishizuka, A. Nikami, and M. Sato, "Control techniques for optical image stabilizing system," Consumer Electronics, IEEE Transactions on, vol. 39, pp. 461-466, 1993.

Report generated on: 04-17-2013 at : 11:42:32

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

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Name: William Freeman

Description of item under review for fair use: Figure 7: Principle of Operation. Source: K. Sato, S. Ishizuka, A. Nikami, and M. Sato, "Control techniques for optical image stabilizing system," Consumer Electronics, IEEE Transactions on, vol. 39, pp. 461-466, 1993.

Report generated on: 04-17-2013 at : 11:43:07

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

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Name: William Freeman

Description of item under review for fair use: Figure 10: Firefly MV Camera Source:
http://www.ptgrey.com/products/fireflymv/fireflymv_firewire_cmos_camera.asp

Report generated on: 04-17-2013 at : 11:44:18

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

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Factor 4

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Description of item under review for fair use: Figure 13: For each octave of scale space, the initial image is repeatedly convolved with Gaussians to produce the set of scale space images. Source: D. G. Lowe, "Distinctive Image Features from Scale-Invariant Keypoints," International Journal of Computer Vision, vol. 60, pp. 91-110, 2004.

Report generated on: 04-17-2013 at : 11:45:28

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

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Name: William Freeman

Description of item under review for fair use: Figure 14: Pixel marked with X is compared with its 26 neighbors to determine local Extrema. Source: D. G. Lowe, "Distinctive Image Features from Scale-Invariant Keypoints," International Journal of Computer Vision, vol. 60, pp. 91-110, 2004.

Report generated on: 04-17-2013 at : 11:46:23

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

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Factor 4

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Name: William Freeman

Description of item under review for fair use: Figure 15: Using a database of 40,000 keypoints that follow random scale and orientation change; the solid line shows the PDF of the ratio for correct matches, while the dotted line is for matches that are incorrect. Source: D. G. Lowe, "Distinctive Image Features from Scale-Invariant Keypoints," International Journal of Computer Vision, vol. 60, pp. 91-110, 2004.

Report generated on: 04-17-2013 at : 11:46:54

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

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Factor 4

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Description of item under review for fair use: Figure 16: Raster and Cartesian Coordinates respectively. Source: M. J. Smith, A. Boxerbaum, G. L. Peterson, and R. D. Quinn, "Electronic image stabilization using optical flow with inertial fusion," in Intelligent Robots and Systems (IROS), 2010 IEEE/RSJ International Conference on, 2010, pp. 1146-1153.

Report generated on: 04-17-2013 at : 11:47:45

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

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Factor 4

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Name: William Freeman

Description of item under review for fair use: Figure 22: Complete I2C Data Transfer. Source: Invensense, "MPU-6000 and MPU-6050 Product Specification Revision 3.2," ed, 2011.

Report generated on: 04-17-2013 at : 11:49:03

Based on the information you provided:

Factor 1

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Factor 2

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Name: William Freeman

Description of item under review for fair use: Figure 35: Mosaicking of Aerial Images Source: R. Steenweg. (2008). Alpine Habitat Selection by Wolves and Image Mosaicking in the Parsnip River Area, BC. Available: <http://www.gis.unbc.ca/courses/geog432/projects/2008/steenweg/index.htm>

Report generated on: 04-17-2013 at : 11:50:22

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

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Factor 3

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Factor 4

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