

**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](mailto: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: Phillip A Zellner

Description of item under review for fair use: Figure 1-1a, Source: Pohl, H.A. and J.S. Crane, Dielectrophoresis of cells. Biophysical Journal, 1971. 11(9): p. 713

Report generated on: 07-10-2013 at : 12:37:00

### 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: Phillip A Zellner

Description of item under review for fair use: Figure 1-1b, Source: Pohl, H.A. and J.S. Crane, Dielectrophoresis of cells. Biophysical Journal, 1971. 11(9): p. 715

Report generated on: 07-10-2013 at : 12:38:09

### 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: Phillip A Zellner

Description of item under review for fair use: Figure 1-2, Source: Markx, G.H., M.S. Talary, and R. Pethig, Separation of viable and non-viable yeast using dielectrophoresis. Journal of biotechnology, 1994. 32(1): p. 34

Report generated on: 07-10-2013 at : 12:38:36

### 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: Phillip A Zellner

Description of item under review for fair use: Figure 1-3, Source: Masuda, S., M. Washizu, and T. Nanba, Novel method of cell fusion in field constriction area in fluid integration circuit. Industry Applications, IEEE Transactions on, 1989. 25(4): p. 734

Report generated on: 07-10-2013 at : 12:39:57

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

Name: Phillip A Zellner

Description of item under review for fair use: Figure 1-4a, Source: Cummings, E.B. and A.K. Singh, Dielectrophoresis in microchips containing arrays of insulating posts: theoretical and experimental results. Analytical Chemistry, 2003. 75(18): p. 4276

Report generated on: 07-10-2013 at : 12:40:28

### 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: Phillip A Zellner

Description of item under review for fair use: Figure 1-4b, Source: Cummings, E.B. and A.K. Singh, Dielectrophoresis in microchips containing arrays of insulating posts: theoretical and experimental results. Analytical Chemistry, 2003. 75(18): p. 4730

Report generated on: 07-10-2013 at : 12:42:04

### 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: Phillip A Zellner

Description of item under review for fair use: Figure 1-5a and Figure 1-5b, Source: Lapizco-Encinas, B.H., B.A. Simmons, E.B. Cummings, and Y. Fintschenko, Insulator-based dielectrophoresis for the selective concentration and separation of live bacteria in water. Electrophoresis, 2004. 25(10-11): p. 1701

Report generated on: 07-10-2013 at : 12:42:42

### 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: Phillip A Zellner

Description of item under review for fair use: Figure 1-5c and Figure 1-5d, Source: Lapizco-Encinas, B.H., B.A. Simmons, E.B. Cummings, and Y. Fintschenko, Insulator-based dielectrophoresis for the selective concentration and separation of live bacteria in water. *Electrophoresis*, 2004. 25(10-11): p. 1702

Report generated on: 07-10-2013 at : 12:43:43

### 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*

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

Name: Phillip A Zellner

Description of item under review for fair use: Figure 1-6a, Source: Li, H. and R. Bashir, Dielectrophoretic separation and manipulation of live and heat-treated cells of Listeria on microfabricated devices with interdigitated electrodes. Sensors and Actuators B: Chemical, 2002. 86(2-3): p. 219

Report generated on: 07-10-2013 at : 12:44:59

### 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: Phillip A Zellner

Description of item under review for fair use: Figure 1-6b, Source: Lapizco-Encinas, B.H., Dielectrophoretic Concentration and Separation of Live and Dead Bacteria in an Array of Insulators. Anal. Chem., 2004. 76: p. 1578

Report generated on: 07-10-2013 at : 12:45:35

### 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*

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Name: Phillip A Zellner

Description of item under review for fair use: Figure 1-9, Source: Pethig, R., Dielectrophoresis: Status of the theory, technology, and applications. Biomicrofluidics, 2010. 4(2). p. 8

Report generated on: 07-10-2013 at : 12:46:05

### 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: Phillip A Zellner

Description of item under review for fair use: Figure 1-10a, Source: Castellarnau, M., A. Errachid, C. Madrid, A. Juárez, and J. Samitier, Dielectrophoresis as a Tool to Characterize and Differentiate Isogenic Mutants of Escherichia coli. Biophysical Journal, 2006. 91(10): p. 3939

Report generated on: 07-10-2013 at : 12:46:49

### 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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Report generated on: 07-10-2013 at : 12:47:16

### 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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Description of item under review for fair use: Figure 1-11, Source: Bourouina, T., Masuzawa, T., Fujita, H., 2004. The MEMSNAS process: microloading effect for micromachining 3-D [structures](#) of nearly all shapes. Microelectromechanical Systems, Journal of 13(2): p. 193

Report generated on: 07-10-2013 at : 12:47:46

### 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: Phillip A Zellner

Description of item under review for fair use: Figure 1-12, Source: Gantz, K., L. Renaghan, and M. Agah, Development of a comprehensive model for RIE-lag-based three-dimensional microchannel fabrication. Journal of Micromechanics and Microengineering, 2008. 18(2): p. 3

Report generated on: 07-10-2013 at : 12:48:20

### 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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