

AFFYMETRIX, INC

1 MICHAEL J. MALECEK (BAR NO. 171034)
2 GEORGE C. YU (BAR NO. 193881)
3 DANIEL R. REED (BAR NO. 201211)
Affymetrix, Inc.
6550 Vallejo Street, Suite 100
Emeryville, California 94608-1112
4 Telephone: (510) 428-8503
5 Telefacsimile: (510) 428-8583

6 GEORGE A. RILEY (BAR NO. 118304)
7 O'MELVENY & MYERS LLP
Embarcadero Center West
275 Battery Street
San Francisco, California 94111-3305
8 Telephone: (415) 984-8700
9 Telefacsimile: (415) 984-8701

10 JOHN KAPPOS (BAR NO. 171977)
11 DIANE K. WONG (BAR NO. 216026)
O'MELVENY & MYERS LLP
Irvine Spectrum
114 Pacifica, Suite 100
12 Irvine, California 92618-3315
13 Telephone: (949) 737-2900
Telefacsimile: (949) 737-2300

14 Attorneys for Plaintiff
15 AFFYMETRIX, INC.

16 UNITED STATES DISTRICT COURT
17 NORTHERN DISTRICT OF CALIFORNIA
18 SAN FRANCISCO DIVISION

20 AFFYMETRIX, INC., a Delaware corporation,
21 Plaintiff,
22 v.
23 MULTILYTE LTD., a British corporation,
24 Defendant.

Civil Case No. C03 3779 WHA
**FOURTH AMENDED COMPLAINT
FOR DECLARATORY JUDGMENT**
DEMAND FOR JURY TRIAL

25 IR1:1053460.2

26 C03 3779 WHA
27 Fourth Amended Complaint for Declaratory Judgment
28

1 Plaintiff AFFYMETRIX, INC. (“Affymetrix”) alleges as follows:

2 **PARTIES**

3 1. Plaintiff Affymetrix is a Delaware corporation with its principal place of business
4 at 3380 Central Expressway, Santa Clara, California 95051.

5 2. On information and belief, Defendant MULTILYTE LTD. (“Multilyte”) is a
6 British corporation (Company No. 02290281) with its registered place of business at
7 Queens House, 55-56 Lincolns Inn Fields, London WC2A 3NA, United Kingdom. Multilyte has
8 its principal place of business at Division of Molecular Endocrinology, University College
9 London Medical School, Mortimer Street, London W1N 8AA, United Kingdom. Multilyte is the
10 assignee of at least eight (8) United States patents listing Roger P. Ekins (“Ekins”) as an inventor
11 (collectively, the “Multilyte patents”). Ekins has represented himself to be “Chief Executive” of
12 Multilyte. Ekins is also emeritus professor in the division of molecular endocrinology at the
13 University College of London Medical School.

14 **JURISDICTION**

15 3. This is an action arising under the patent laws of the United States, Title 35 of the
16 United States Code, Section 1 *et seq.* and the Declaratory Judgment Act, Title 28 of the United
17 States Code, Sections 2201 and 2202. The Court has jurisdiction over the subject matter of this
18 action pursuant to Title 28 of the United States Code, Sections 1331, 1337, 1338, and 1367.

19 4. This Court has personal jurisdiction over Multilyte because Multilyte has engaged
20 in sufficient contacts with the State of California to satisfy both the requirements of due process
21 and Rule 4(k)(2) of the Federal Rules of Civil Procedure. Multilyte has intentionally engaged in
22 contacts with California involving the Multilyte patents. These contacts include directing
23 multiple written and oral communications to Affymetrix in California regarding Affymetrix’s
24 business and Multilyte’s patents (discussed below). Multilyte, by its counsel, also entered into a
25 mutual non-disclosure agreement with Affymetrix that is governed by California law relating to
26 the potential licensing of the Multilyte patents. Multilyte further established contacts by engaging
27 in extensive negotiations with Affymetrix relating to Multilyte patents and concurrently
28 threatening to sue Affymetrix for infringement of those patents. During the course of the

1 negotiations, representatives of Multilyte, including Ekins and Multilyte's consultant, Hans
 2 Berger ("Berger"), personally traveled to California on at least two occasions to meet with
 3 representatives of Affymetrix. Ekins and Berger, as well as other representatives of Multilyte,
 4 also had many telephone conversations and email exchanges with representatives of Affymetrix
 5 regarding licensing the Multilyte patents. Multilyte has also represented to Affymetrix that it has
 6 engaged in similar business discussions with other biotech companies in an effort to license or
 7 sell the Multilyte patents.

8 VENUE

9 5. Venue is proper in this judicial district pursuant to 28 U.S.C. § 1391(b)-(d).

10 INTRADISTRICT ASSIGNMENT

11 6. Under Local Rule 3-2(c), this action for declaratory judgment shall be assigned on
 12 a district-wide basis. For this reason, Plaintiff originally did not list a division of the Court in its
 13 original Complaint. The present action has now been assigned to the San Francisco division.

14 GENERAL ALLEGATIONS

15 7. Affymetrix pioneered the commercial market for DNA ("GeneChip®") microarray
 16 systems used by life sciences researchers. Affymetrix GeneChip® microarrays are the leading
 17 commercial application in this field. GeneChip® microarrays consist of many known sequences
 18 of DNA attached to a substrate that bind to genetic sequences in experimental samples.
 19 Researchers use Affymetrix's GeneChip® microarrays to analyze a particular gene, groups of
 20 genes, or a whole genome of an organism.

21 8. Multilyte has alleged that Affymetrix, by making and selling the GeneChip®
 22 microarray systems, infringes the following patents:

- 23 A) U.S. Patent No. 5,432,099 (the "099 patent"), issued on July 11, 1995,
 24 entitled "Determination of ambient concentration of several analytes."
- 25 B) U.S. Patent No. 5,599,720 (the "720 patent"), issued on February 4, 1997,
 26 entitled "Measurement of analyte concentration."
- 27 C) U.S. Patent No. 5,807,755 (the "755 patent"), issued on September 15,
 28 1998, entitled "Determination of ambient concentrations of several

1 analytes.” This patent is a continuation-in-part of the ‘099 patent.
2 Per the parties’ stipulation, dated October 17, 2003, Multilyte agreed that it will not allege
3 infringement of its other issued United States patents based on present Affymetrix products and
4 services.

5 9. A true and correct copy of each of the Multilyte patents is attached hereto as
6 Exhibits A through C.

7 10. On or about April 8, 2002, Ekins wrote to Ms. Susan Siegel (“Siegel”), President
8 of Affymetrix, regarding the Multilyte patents. In this letter, Ekins suggested that Affymetrix
9 consider a license to Multilyte’s United States patents and their foreign equivalents.

10 11. On June 14, 2002, Multilyte, by and through its counsel, entered into a “Mutual
11 Non-Disclosure Agreement” with Affymetrix. Multilyte agreed, with respect to the Mutual Non-
12 Disclosure Agreement, to be bound by the laws of the State of California.

13 12. Thereafter, on at least two occasions, Ekins came to California, once accompanied
14 by Berger, to meet with representatives of Affymetrix discuss a license to the Multilyte patents.
15 Ekins and Berger also engaged in license discussions with Affymetrix representatives by
16 telephone and email. At all times during these discussions, Berger had apparent authority to act
17 on behalf of Multilyte on all licensing-related issues.

18 13. Recently, Affymetrix stated to Multilyte that it had many concerns about taking a
19 license to the Multilyte patents. In response, on July 18, 2003, Berger wrote to Dr. Rob Lipshutz,
20 Affymetrix’s Senior Vice President of Corporate Development and Licensing, stating:

21 In the circumstances, we do not consider that there is anything to be
22 gained by continuing these protracted negotiations any longer. We
23 have therefore instructed our lawyers to prepare the necessary
24 papers to begin patent infringement proceedings. These
25 proceedings will be issued and served without further notice, unless
26 we hear from you with an acceptable offer by 5:30pm Austrian time
27 on Friday 25 July 2003.

28 14. On or about July 23, 2003, Dr. Stephen Fodor (“Fodor”), the Chairman of the
Board and Chief Executive Officer of Affymetrix, contacted Ekins and suggested that the parties
meet again in September to discuss a potential license and that the parties agree not file any
lawsuits in the meantime. Ekins agreed to Fodor’s proposal.

AFFYMETRIX, INC.

1 15. However, on July 28, 2003, Ekins sent an email to Fodor and stated that Multilyte
2 could not wait until September for further discussions and stated that Multilyte's would
3 commence legal proceedings against Affymetrix by August 8, 2003.

4 16. On or about August 5, 2003, Siegel contacted Ekins to try to obtain more time so
5 that the companies could have a further face-to-face meeting to discuss potential prior art to the
6 Multilyte patents. Based on these discussions, Affymetrix and Multilyte agreed to meet in the
7 following week to have further discussions regarding the Multilyte patents.

8 17. When Siegel contacted Ekins on August 12, 2003, in the course of their
9 conversation, Ekins informed her that Multilyte had commenced legal proceedings in Europe
10 against Affymetrix. When Siegel asked Ekins about the nature of the proceeding and where it
11 was filed, Ekins responded that his legal advisors had told him that he could not share that
12 information with Affymetrix. Affymetrix subsequently learned that Multilyte filed an
13 infringement action in Düsseldorf, Germany, against Affymetrix, alleging infringement of
14 European patents equivalent to the U.S. '099 (EP 0 304 202) and '720 (EP 0 134 215) patents.
15 Multilyte filed the complaint on July 18, 2003.

16 18. By virtue of Multilyte's explicit threats of an imminent patent infringement lawsuit
17 and commencement of legal proceedings in Germany on patents equivalent to ones at issue in this
18 action, Affymetrix has a reasonable apprehension that it will face a patent infringement suit based
19 on the Multilyte patents.

20 19. Affymetrix denies that it infringes any valid and enforceable claim of any of the
21 Multilyte patents.

22 20. An actual and justiciable controversy exists between Multilyte and Affymetrix
23 concerning whether Affymetrix infringes any valid claim of the Multilyte patents. Affymetrix
24 now seeks a declaratory judgment that the claims of the Multilyte patents are invalid and that
25 Affymetrix does not infringe any valid claim of the Multilyte patents.

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FIRST CLAIM FOR RELIEF

(Invalidity and Non-Infringement of U.S. Patent 5,432,099)

21. Affymetrix incorporates by reference paragraphs 1 through 20 as though fully set forth herein.

22. Affymetrix is not directly infringing, contributorily infringing, or actively inducing others to infringe any valid claim of the '099 patent as properly construed.

23. On information and belief, the '099 patent is invalid and void under at least the provisions of 35 U.S.C. §§ 101, 102, 103 and/or 112.

SECOND CLAIM FOR RELIEF

(Invalidity and Non-Infringement of U.S. Patent 5,599,720)

24. Affymetrix incorporates by reference paragraphs 1 through 23 as though fully set forth herein.

25. Affymetrix is not directly infringing, contributorily infringing, or actively inducing others to infringe any valid claim of the '720 patent as properly construed.

26. On information and belief, the '720 patent is invalid and void under at least the provisions of 35 U.S.C. §§ 101, 102, 103 and/or 112.

THIRD CLAIM FOR RELIEF

(Invalidity and Non-Infringement of U.S. Patent 5,807,755)

27. Affymetrix incorporates by reference paragraphs 1 through 26 as though fully set forth herein.

28. Affymetrix is not directly infringing, contributorily infringing, or actively inducing others to infringe any valid claim of the '755 patent as properly construed.

29. On information and belief, the '755 patent is invalid and void under at least the provisions of 35 U.S.C. §§ 101, 102, 103 and/or 112.

FOURTH CLAIM FOR RELIEF

(Unenforceability of U.S. Patent 5,599,720)

30. Affymetrix incorporates by reference paragraphs 1 through 29 as though fully set forth herein.

AFFYMETRIX, INC.

1 31. Upon information and belief, during the prosecution of the '720 patent, Multilyte
2 and Ekins knowingly failed to cite to the United States Patent and Trademark Office ("PTO")
3 several references and other prior art that were material to the claimed subject matter of the '720
4 patent and were known to them.

5 32. For example, Multilyte and Ekins failed to cite Ekins' 1981 publication *Towards*
6 *Immunoassays of Greater Sensitivity, Specificity and Speed: An Overview*, published in
7 MONOCLONAL ANTIBODIES AND DEVELOPMENTS IN IMMUNOASSAY 3, 19 (Alberto
8 Albertini and Roger Ekins eds., 1981), during the prosecution of the '720 patent. The Ekins 1981
9 publication was material to the claimed subject matter of the '720 patent because it described the
10 existence of commercially-available immunoassay kits, and also described assays that used trace
11 amounts of binding agent (*e.g.*, 5% or less) relative to analyte. Moreover, the Ekins' 1981
12 publication occurred more than one year before the filing of any of the patents-in-suit, and is
13 therefore prior art under 35 U.S.C. 102(b).

14 33. The kits known by Ekins at the time of his 1981 publication included kits sold by
15 Baxter-Travenol (Parsons), Amersham (Midgley and Wilkins), Lapetit, and Corning. Upon
16 information and belief, each of these prior art kits was known to Ekins at the time he filed the
17 applications that led to the patents-in-suit. Multilyte and Ekins failed to cite any of these kits to
18 the PTO during the prosecution of the '720 patent.

19 34. In the 1981 publication, Ekins described assays that used trace amounts of binding
20 agent (*e.g.*, 5% or less) relative to analyte. This description was particularly material given the
21 arguments Ekins made to distinguish prior art cited during prosecution of the '720 patent. For
22 example, Ekins stated in a declaration:

23 The examiner's reliance on Ekins '687 in support of the §102(b)
24 rejection is manifestly misplaced. Ekins '687 fails to identically
25 describe a sample volume independent assay **using an amount of**
26 **binding agent that binds less than about 5% of the analyte** that
27 is expected to be present and having no binding protein present in
28 the sample, in accordance with the present invention. Thus, Ekins
'687 does not provide evidence of lack of novelty such as to
support a 35 U.S.C. §102 rejection.

1 Prelim. Am. of Sept. 14, 1994, at p. 2 (emphasis added). Upon information and belief, the Ekins
2 1981 publication refutes and is inconsistent with this statement by Ekins and was therefore highly
3 material to patentability. Ekins plainly knew about the Ekins 1981 publication because he was
4 the author. Upon information and belief, Ekins acted with deceptive intent when he concealed his
5 1981 publication from the PTO while at the same time making arguments for patentability that
6 were refuted by and inconsistent with information described in his 1981 article. A true and
7 correct copy of the Ekins 1981 publication is attached hereto as Exhibit D, and a true and correct
8 copy of the above-noted preliminary amendment is attached hereto as Exhibit E.

9 35. As another example, if the asserted claims cover DNA hybridization technology,
10 Multityte and Ekins failed to cite Maniatis *et al.*, *Molecular Cloning: A Laboratory Manual*
11 (1982) (“Maniatis”), a standard molecular biology laboratory manual, during the prosecution of
12 the ‘720 patent. Upon information and belief, Maniatis was published in January 1982, and
13 provided laboratory protocols adapted from well-known scientific publications at that time, *see*,
14 *e.g.*, Southern, E., *Detection of Specific Sequences Among DNA Fragments Separated by Gel*
15 *Electrophoresis*, *J. Mol. Biol.* 98:503 (1975); St. John, T.P. and Davis, R.W., *Isolation of*
16 *galactose-inducible DNA sequences from Saccharomyces cerevisiae by differential plaque filter*
17 *hybridization*, *Cell* 16:443 (1979). Maniatis is a widely-known manual of techniques for nucleic
18 acid manipulations that is commonly used by researchers in biochemistry and molecular biology.
19 For example, in Chapter 10 (pages 310-61), Maniatis describes hybridization of DNA or RNA
20 immobilized on filters to radioactive probes to determine whether a nucleic acid sequence of
21 interest is present and the relative concentration of a nucleic acid of interest from one sample to
22 another. At pages 382-89, Maniatis describes the “Southern” procedure for hybridizing DNA or
23 RNA to DNA fragments transferred to a solid membrane, again to determine whether a sequence
24 of interest is present.

25 36. Several of the claims of the ‘720 patent recite methods for determining the
26 concentration of an analyte in a solution using the same steps described in the Maniatis and
27 Southern references. Upon information and belief, Maniatis and Southern were material to
28 patentability because Maniatis or Southern each establishes, by itself or in combination with other

1 information, a prima facie case of unpatentability of one or more of the claims of the '720 patent.
2 Upon information and belief, Multilyte and/or Ekins had knowledge of the Maniatis and Southern
3 references and, as a result, should have cited Maniatis and Southern to the PTO during the
4 prosecution of the '720 patent. Upon information and belief, Ekins acted with deceptive intent
5 when he concealed the Maniatis and Southern references from the PTO while at the same time
6 making arguments for patentability that were refuted by and inconsistent with information
7 described in Maniatis and Southern. A true and correct copy of relevant sections of Maniatis is
8 attached hereto as Exhibit F, and a true and correct copy of the Southern article is attached hereto
9 as Exhibit G.

10 37. Accordingly, on information and belief, the '720 patent is unenforceable as a result
11 of Multilyte's and Ekins' inequitable conduct during the prosecution of the '720 patent by failing
12 to disclose material references and prior art known to them and/or mischaracterizing the prior art.

13 **FIFTH CLAIM FOR RELIEF**

14 (Unenforceability of U.S. Patent 5,432,099)

15 38. Affymetrix incorporates by reference paragraphs 1 through 37 as though fully set
16 forth herein.

17 39. Upon information and belief, during the prosecution of the '099 patent, Multilyte
18 and Ekins knowingly failed to cite to the PTO information, several references, and other prior art
19 that were material to the claimed subject matter of the '099 patent and were known to them,
20 including commercially available free hormone measurement kits, the Ekins 1981 publication, the
21 Maniatis publication, a 1984 publication co-authored by Ekins, and information regarding the
22 financial interest of a person who submitted a declaration on behalf of Multilyte.

23 40. The kits known by Ekins at the time of his 1981 publication included kits sold by
24 Baxter-Travenol (Parsons), Amersham (Midgley and Wilkins), Lapetit, and Corning. Upon
25 information and belief, each of these prior art kits was known to Ekins at the time he filed the
26 applications that led to the patents-in-suit. Multilyte and Ekins failed to cite any of these kits to
27 the PTO during the prosecution of the '099 patent.

1 41. With regard to the Ekins 1981 publication, which described assays that used trace
2 amounts of binding agent (*e.g.*, 5% or less) relative to analyte, this prior art was particularly
3 material given the arguments Ekins made to distinguish prior art cited during prosecution of the
4 ‘099 patent. For example, Ekins stated in a declaration:

5 Before the present invention, there was, as far as I am aware, no
6 disclosure or suggestion of an assay – whether of so-called
7 competitive or non-competitive design – using less than 0.1V/K
8 moles of binding agent.

8 42. Upon information and belief, the Ekins 1981 publication refutes and is inconsistent
9 with this statement by Ekins and was therefore highly material to patentability. Ekins plainly
10 knew about the Ekins 1981 publication because he was the author. Upon information and belief,
11 Ekins acted with deceptive intent when he concealed his 1981 publication from the PTO while at
12 the same time making arguments for patentability that were refuted by and inconsistent with
13 information described in his 1981 article. A true and correct copy of the above-noted Ekins
14 declaration is attached hereto as Exhibit H.

15 43. As another example, if the asserted claims cover DNA hybridization technology,
16 Multityte and Ekins failed to cite Maniatis *et al.*, *Molecular Cloning: A Laboratory Manual*
17 (1982) (“Maniatis”), a standard molecular biology laboratory manual, during the prosecution of
18 the ‘099 patent. Upon information and belief, Maniatis was published in January 1982, and
19 provided laboratory protocols adapted from well-known scientific publications at that time, *see*,
20 *e.g.*, Southern, E., *Detection of Specific Sequences Among DNA Fragments Separated by Gel*
21 *Electrophoresis*, *J. Mol. Biol.* 98:503 (1975); St. John, T.P. and Davis, R.W., *Isolation of*
22 *galactose-inducible DNA sequences from Saccharomyces cerevisiae by differential plaque filter*
23 *hybridization*, *Cell* 16:443 (1979). Maniatis is a widely-known manual of techniques for nucleic
24 acid manipulations that is commonly used by researchers in biochemistry and molecular biology.
25 For example, in Chapter 10 (pages 310-61), Maniatis describes hybridization of DNA or RNA
26 immobilized on filters to radioactive probes to determine whether a nucleic acid sequence of
27 interest is present and the relative concentration of a nucleic acid of interest from one sample to
28 another. At pages 382-89, Maniatis describes the “Southern” procedure for hybridizing DNA or

1 RNA to DNA fragments transferred to a solid membrane, again to determine whether a sequence
2 of interest is present.

3 44. Several of the claims of the '099 patent recite methods for determining the
4 concentration of an analyte in a solution using the same steps described in Maniatis. Upon
5 information and belief, Maniatis and Southern were material to patentability because Maniatis or
6 Southern each establishes, by itself or in combination with other information, a prima facie case
7 of unpatentability of one or more of the claims of the '099 patent. Upon information and belief,
8 Multilyte and/or Ekins had knowledge of the Maniatis and Southern references and, as a result,
9 should have cited Maniatis and Southern to the PTO during the prosecution of the '099 patent.
10 Upon information and belief, Ekins acted with deceptive intent when he concealed the Maniatis
11 and Southern references from the PTO while at the same time making arguments for patentability
12 that were refuted by and inconsistent with information described in Maniatis and Southern. A
13 true and correct copy of relevant sections of Maniatis is attached hereto as Exhibit F, and a true
14 and correct copy of the Southern article is attached hereto as Exhibit G.

15 45. Multilyte and Ekins also failed to disclose another Ekins publication during the
16 prosecution of the '099 patent, namely, Dakubu, S., Ekins, R., Jackson, T., and Marshall, N.J.,
17 *High Sensitivity, Pulsed-Light, Time-Resolved Fluoroimmunoassay*; published in Practical
18 Immunoassay, W. Butt (Ed.), Marcel Dekker, Inc. pp. 71-101 (1984). This publication by
19 Dakubu and Ekins, et al. was material to the claimed subject matter of the '099 patent because the
20 authors described arrays of different antibodies of differing specificity that could rapidly measure
21 multiple analytes in the same sample. This article was published more than one year before the
22 filing date of the '099 patent, and is therefore prior art under 35 U.S.C. § 102(b). A true and
23 correct copy of the Dakubu and Ekins, et al. 1984 publication is attached hereto as Exhibit I.

24 46. During the prosecution of the '099 patent, Multilyte and Ekins also submitted a
25 declaration from Ivan Roitt in support of the patentability of the pending application to the Patent
26 and Trademark Office, but failed to disclose Roitt's financial interest in Multilyte. Dr. Roitt
27 argued in this declaration that the pending claims were patentable over two patents, Ekins '031
28 and Chang '570. Nowhere in the Roitt declaration or in the accompanying "Supplemental

1 Response To First Official Action” did Multilyte or Ekins disclose that Roitt was a director of
2 Multilyte and that he owned shares of Multilyte. The Patent and Trademark Office would have
3 considered Roitt’s financial interest in Multilyte material in evaluating Roitt’s declaration and,
4 therefore, Multilyte and Ekins failed to disclose material information to the Patent and Trademark
5 Office. Upon information and belief, Multilyte and Ekins acted with deceptive intent when
6 failing to disclose Roitt’s financial interest in Multilyte to the PTO.

7 47. Accordingly, on information and belief, the ‘099 patent is unenforceable as a result
8 of Multilyte’s and Ekins’ inequitable conduct during the prosecution of the ‘099 patent by failing
9 to disclose material references, information, and prior art known to them and/or mischaracterizing
10 the prior art.

11 **SIXTH CLAIM FOR RELIEF**

12 (Unenforceability of U.S. Patent 5,807,755)

13 48. Affymetrix incorporates by reference paragraphs 1 through 45 as though fully set
14 forth herein.

15 49. Upon information and belief, the ‘755 patent is unenforceable as a result of
16 Multilyte’s and Ekins’ failure to satisfy their duty of disclosure to the PTO and/or their engaging
17 in inequitable conduct during the prosecution of the ‘755 patent by failing to disclose material
18 references and prior art known to them, failing to disclose the existence of commercially available
19 kits known to them, including kits sold by Baxter-Travenol (Parsons), Amersham (Midgley and
20 Wilkins), Lapetit, and Corning, and/or mischaracterizing the prior art.

21 50. The ‘755 patent is related as a continuation-in-part of the ‘099 patent. Like the
22 ‘099 patent, the ‘755 patent is directed to methods for determining ambient analyte concentration.
23 Because of the relatedness of the subject matter of the ‘755 and the ‘099 patents, inequitable
24 conduct during prosecution of the ‘099 patent also renders the ‘755 patent unenforceable.

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PRAYER FOR RELIEF

WHEREFORE, Affymetrix prays for the following relief:

A. As to the First through Third Claims for Relief, that the Court enter a declaratory judgment that the manufacture, use, sale, or offer for sale of the Affymetrix GeneChip® microarray systems does not infringe any valid claim of the Multilyte patents; and that

i. The manufacture, use, sale, or offer for sale of the Affymetrix GeneChip® microarray systems does not constitute an inducement to infringe or contributory infringement of any valid claim of the Multilyte patents; and

ii. The claims of the Multilyte patents are invalid;

B. As to the Fourth through Sixth Claims for Relief, that the Court enter a declaratory judgment that each of U.S. Patent 5,432,099, U.S. Patent 5,599,720, and U.S. Patent 5,807,755 is unenforceable as a result of Multilyte’s and Ekins’ engaging in inequitable conduct during the prosecution of these patents;

C. That this Court enter a judgment that this is an exceptional case under 35 U.S.C. § 285;

D. That this Court award Affymetrix its costs, expenses, and attorneys’ fees in this action; and

E. For such other, further, or different relief that Affymetrix may be entitled to as a matter of law or equity, or that the Court otherwise deems just and proper.

AFFYMETRIX, INC.

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Dated: April 7, 2004

GEORGE A. RILEY
JOHN C. KAPPOS
DIANE K. WONG
O'MELVENY & MYERS LLP

MICHAEL J. MALECEK
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DANIEL R. REED
AFFYMETRIX, INC.

By: _____
John C. Kappos

Attorneys for Plaintiff
AFFYMETRIX, INC.

AFFYMETRIX, INC.

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CERTIFICATION OF INTERESTED ENTITIES OR PERSONS

Pursuant to Civil Local Rule 3-16, the undersigned certifies that as of this date, AXA Financial owns more than 10% of Plaintiff's Affymetrix's common stock. Other than AXA Financial and the named parties, to the best of the undersigned's knowledge, there is no other interest to report.

Dated: April 7, 2004

MICHAEL J. MALECEK
GEORGE C. YU
DANIEL R. REED
AFFYMETRIX, INC.

By: _____
John C. Kappos

Attorneys for Plaintiff
AFFYMETRIX, INC.

DEMAND FOR JURY TRIAL

Pursuant to Federal Rule of Civil Procedure 38(b), Affymetrix hereby demands a trial by jury of any and all issues triable by a jury in this action.

Dated: April 7, 2004

MICHAEL J. MALECEK
GEORGE C. YU
DANIEL R. REED
AFFYMETRIX, INC.

By: _____
John C. Kappos

Attorneys for Plaintiff
AFFYMETRIX, INC.

IR1:1053460.1

AFFYMETRIX, INC.