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11	UNITED STATES DISTRICT COURT					
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13	SAN FRANCISCO DIVISION					
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16	MLC INTELLECTUAL PROPERTY, LLC,	Case No. 3:19-cv-03345-EMC				
17	Plaintiff,	SECOND AMENDED COMPLAINT FOR PATENT INFRINGEMENT				
18	v.	DEMAND FOR JURY TRIAL				
19	MICRON TECHNOLOGY, INC., MICRON CONSUMER PRODUCTS GROUP, INC.,	Judge: Honorable Edward M. Chen				
20	MICRON MEMORY TAIWAN CO., LTD.,	Juage. Tronorable Edward III. Chen				
21	MICRON SEMICONDUCTOR ASIA PTE. LTD., MICRON JAPAN, LTD., MICRON					
22	SEMICONDUCTOR PRODUCTS, INC., MICRON SEMICONDUCTOR (XI'AN)					
23	CO., LTD., MICRON EUROPE, LTD., LEXAR MEDIA, INC., IM FLASH					
24	TECHNOLOGIES,					
25	Defendants.					
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Plaintiff MLC Intellectual Property, LLC ("Plaintiff" or "MLC") complains against

Defendants Micron Technology, Inc. ("MTI"), and its wholly-owned subsidiaries Micron

Consumer Products Group, Inc. ("MCPG"); Micron Semiconductor Products, Inc. ("MSP"); IM

Flash Technologies, LLC ("IMFT"); Lexar Media, Inc. ("Lexar"); Micron Semiconductor Asia

Pte. Ltd. ("MSAPL"); Micron Europe, Ltd. ("MEL"); Micron Japan, Ltd. ("MJL"); Micron

Memory Taiwan Co., Ltd. ("MMT"); and Micron Semiconductor (Xi'an) Co., Ltd. ("MSCL")

(collectively, "Defendants," "MTI Defendants" or "Micron Defendants") for patent infringement as follows:

NATURE OF ACTION

1. This is an action for patent infringement of United States Patent No. 5,764,571 ("the '571 Patent") under the Patent Laws of the United States, 35 U.S.C. § 1, *et seq*.

PARTIES

- 2. MLC is a limited liability company organized and existing under the laws of the State of Delaware.
- 3. Micron Technology, Inc. is a U.S. corporation organized and existing under the laws of the State of Delaware with its principal place of business at 8000 South Federal Way, Boise, Idaho 83716. MTI is a global company operating facilities in at least 18 worldwide locations, including at least 13 manufacturing sites and 13 customer labs. MTI also operates several facilities throughout California. MTI has an established place of business at 570 Alder Drive, Building 2, Milpitas, California 95035. Upon information and belief, MTI's Milpitas location designs NAND Flash solutions and products and also delivers administrative and sales support. MTI also has an established place of business at 110 Holger Way, San Jose, California 95134. Upon information and belief, MTI's San Jose location also designs NAND Flash solutions and products, as well as provides administrative and sales support. MTI is also the parent company of numerous wholly-owned and majority-owned subsidiaries located in the U.S. and in other countries, including those named in this lawsuit.
- 4. Micron Consumer Products Group, Inc. ("MCPG") is a Delaware corporation with its principal place of business at 47300 Bayside Parkway, Fremont, California 94538.

MCPG's registered agent for service of process in the State of California is Corporation Service Company, 2710 Gateway Oaks Drive, Suite 150N, Sacramento, California 95833. MCPG is registered as a "Foreign Corporation" in California, and thus, qualified to "transact" business in California. On information and belief, MCPG is the consumer-facing entity of MTI allowing MTI to offer products marketed under the brands, including but not limited to: Lexar Media, Crucial Technology, Kodak, and SpecTek Select brands. On information and belief, MTI and its subsidiaries direct the marketing and sale of products made under the brands Lexar Media, Crucial Technology, Kodak and SpecTek Select to the state of California. On information and belief, MCPG is based in Milpitas, California at 590 Alder Drive, Milpitas, California 95035.

- 5. Micron Semiconductor Products, Inc. ("MSP") is a U.S. corporation organized and existing under the laws of the State of Idaho. Formed in 1996, MSP is a wholly-owned subsidiary of MTI sharing its principal place of business with MTI at 8000 South Federal Way, Boise, Idaho 83716. MSP manufactures, sells, and distributes electronic and semiconductor products and components, including NAND Flash memory products based on multi-level cell NAND Flash memory technologies. On information and belief, MSP does business as MCPG, which has a principal place of business at 47300 Bayside Parkway, Fremont, California 94538 and is based at 590 Alder Driver, Milpitas, California 95035. *See* Dkt. 60-2 at 3 (MTI representing that MSP does business as MCPG). On information and belief, MSP also does business as Crucial Technology, which is a brand under which MTI and its subsidiaries market and sell products, and which directs sales into the state of California. *See* Dkt. 60-3 at 13 (MTI representing that MSP does business as Crucial Technology).
- 6. Lexar Media, Inc. ("Lexar") is a Delaware corporation with its principal office located at 47300 Bayside Parkway, Fremont, California 94538. Lexar was a wholly-owned subsidiary of MTI during the relevant time period. On information and belief, MTI acquired Lexar in 2006 and merged Lexar with Crucial Technology. On information and belief, in 2012, MTI merged or otherwise consolidated Lexar with MTI's wholly-owned subsidiary, Defendant MCPG. Prior to selling Lexar to Longsys in 2017, MTI owned the IP rights to Lexar. *See* https://www.lexar.com/about-us/timeline/.

of MTI, with its principal place of business at 990 Bendemeer Road, Singapore, 339942,

Micron Semiconductor Asia Pte. Ltd. ("MSAPL") is a wholly-owned subsidiary

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l	Singapore. MSAPL operates NAND manufacturing facilities at No. 1 Woodlands Industrial
	Park D, Street 1, Singapore, 738799, and at 1 North Coast Drive, Singapore, 757432. MSAPL is
l	a manufacturing and fabrication facility that supplies MTI as well as MTI's U.Sbased
l	subsidiaries with multi-level cell NAND flash products. On information and belief, MSAPL has
l	done and continues to do business in the United States and has knowingly sold multi-level cell
l	NAND Flash memory devices to the U.S. and to U.S. customers, including sales made to MTI
l	and MTI's U.Sbased subsidiaries, such as MSP and MCPG. Additionally, during the relevant
l	time period, MSAPL conducted business in the U.S. and California (e.g., sold multi-level cell
l	NAND flash products) and did so using the MCPG corporate identity and under the MCPG
l	brand. See Dkt. 60-2 at 5 (MTI representing that MSAPL does business as MCPG). Also on
	information and belief, MSAPL has done and continues to do business in the U.S. as or under
l	Lexar Media and Crucial Technology, which are brands under which MTI and its subsidiaries
	market and sell products. See Dkt. 60-3 at 7 (MTI representing that MSAPL did business as
	Lexar Media); id. at 5 (MTI representing that MSAPL did business as Crucial Technology).
	8. Micron Europe, Ltd. ("MEL") is a wholly-owned MTI subsidiary with its
	principal place of business and home office at 12 Redwood Crescent, Peel Park Campus, East
l	Kilbride, Scotland G74 5PA, U.K. MEL makes and sells multi-level cell NAND flash products.
l	On information and belief, MEL has done and continues to do business in the U.S. and has
l	knowingly sold multi-level cell NAND Flash memory devices to the U.S. and to U.S. customers,
l	including sales made to MTI and MTI's U.Sbased subsidiaries, such as MSP and MCPG.
	Additionally, during the relevant time period, MEL conducted business in the U.S. and
l	California (e.g., sold multi-level cell NAND flash products) and did so using the MCPG
	corporate identity and under the MCPG brand. See Dkt. 60-2 at 5 (MTI representing that MEL

did business as MCPG). Also on information and belief, MEL has done and continues to do

subsidiaries market and sell products. See Dkt. 60-3 at 13 (MTI representing that MEL did

business in the U.S. as or under Lexar Media, which is a brand under which MTI and its

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9. Micron Japan, Ltd. ("MJL") is a wholly-owned MTI subsidiary, with its principal

place of business and home office at 8th floor, Shinagawa Season Terrace, 1-2-70, Konan,

Minato-ku, Tokyo, 108-0075, Japan. MJL makes and sells multi-level cell NAND flash

products. On information and belief, MJL has done and continues to do business in the U.S. and

has knowingly sold multi-level cell NAND Flash memory devices to the U.S. and to U.S.

customers, including sales made to MTI and MTI's U.S.-based subsidiaries, such as MSP and

MCPG. Additionally, during the relevant time period, MJL conducted business in the U.S. and

California (e.g., sold multi-level cell NAND flash products) and did so using the MCPG

corporate identity and under the MCPG brand. See Dkt. 60-2 at 3 (MTI representing that MJL

did business as MCPG). Also on information and belief, MJL has done and continues to do

business in the U.S. as or under Lexar Media, which is a brand under which MTI and its

subsidiaries market and sell products. See Dkt. 60-3 at 13 (MTI representing that MJL did

business as Lexar Media).

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business as Lexar Media).

10. Micron Memory Taiwan Co., Ltd. ("MMT") is a wholly-owned MTI subsidiary, with its principal place of business and home office at 369, Sanfeng Road, Section 4, Houli Township, Taichung, Taiwan 42152. MMT makes and sells multi-level cell NAND flash memory products, among other memory products. On information and belief, MMT has done and continues to do business in the U.S. and has knowingly sold multi-level cell NAND Flash memory devices to the U.S. and to U.S. customers, including sales made to MTI and MTI's U.S.-based subsidiaries, such as MSP and MCPG.

subsidiary, with its principal place of business and home office at Zone B of Shaanxi Xi'an Export Processing Zone, Xin Xi Avenue, Xi'an, 710119, China (PRC). MSCL makes and sells multi-level cell NAND flash memory products, among other memory products. On information and belief, MSCL has done and continues to do business in the U.S. and has knowingly sold

multi-level cell NAND Flash memory devices to the U.S. and to U.S. customers, including sales

Micron Semiconductor (Xi'an) Co., Ltd. ("MSCL") is a wholly-owned MTI

made to MTI and MTI's U.S.-based subsidiaries, such as MSP and MCPG.

12. IM Flash Technologies, LLC ("IMFT") is a U.S. corporation organized and existing under the laws of the State of Delaware with its principal place of business at IM Flash, 4000 North Flash Drive, Lehi, Utah 84043. IMFT is a joint venture formed in 2006 with Intel Technologies and MTI to manufacture NAND Flash memory products pursuant to which MTI owned 51% of IMFT. In or about October 2018, MTI announced that it intends to acquire Intel's 49% share in IMFT, and, on information and belief, MTI has or will acquire Intel's 49% stake in IMFT as of the date of this filing. On information and belief, IMFT manufacturers NAND Flash memory products for its members, Intel and MTI. Intel has a principal and established place of business at 2200 Mission College Blvd., Santa Clara, CA 95054.

13. All Defendants are collectively y referred herein as "Defendants," "MTI Defendants" or "Micron Defendants." MTI's wholly-owned and majority-owned subsidiaries (including Defendants MCPG, MSP, IMFT, Lexar, MSAPL, MEL, MJL, MMT and MSCL) are collectively referred to herein as "MTI Subsidiaries" or "Micron Subsidiaries." MTI's multinational wholly-owned subsidiaries (including MSAPL, MEL, MJL, MMT, and MSCL) are collectively referred to as "MTI Foreign Subsidiaries" or "Micron Foreign Subsidiaries."

JURISDICTION

- 14. This action arises under the Patent Laws of the United States, 35 U.S.C. § 1, et seq. This Court has subject matter jurisdiction pursuant to 28 U.S.C. §§ 1331 and 1338(a).
- 15. Defendant MTI is subject to personal jurisdiction in this Court because MTI conducts extensive business in California and operates a physical and established place of business in this District, as alleged, for example, in paragraph 3.
- 16. Defendant MCPG (including Defendant Lexar) is subject to personal jurisdiction in this Court. MCPG is a registered "Foreign Corporation" in California and conducts business and operates a physical and established place of business in this District, as alleged, for example, in paragraphs 4 and 6.
- 17. Defendant MSP is subject to personal jurisdiction in this Court. MSP has conducted substantial business in California and, on information and belief, operates a physical and established place of business in this District. On information and belief, MSP not only

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operates and conducts business from or through the same Northern California office or facility as Defendant MCPG, but for years has and continues to do business in California and in this District using the MCPG corporate name or identity. See Dkt. 60-2 at 3 (MTI representing that MSP does business as MCPG). As alleged above, MCPG has a principal place of business at 47300 Bayside Parkway, Fremont, California 94538 and is also based in Milpitas, California at 590 Alder Driver, Milpitas, California 95035—the same physical location as MTI's corporate offices in California. Further, on information and belief, MSP has done and continues to do business as Crucial Technology, which is a brand under which MTI and its subsidiaries market and sell products, specifically multi-level cell NAND flash memory products, and which directs sales into the state of California. See Dkt. 60-3 at 13 (MTI representing that MSP does business as Crucial). Thus, on information and belief, MSP transacts business in California from and through those same facilities and avails itself of the same California operations sales/distribution channels as MTI and MCPG. MSP has placed goods into the stream of commerce knowing they would be sold and distributed in California, and in this District.

18. Defendant MSAPL is subject to personal jurisdiction in this Court. MSAPL has conducted substantial business in California and, on information and belief, operates a physical and established place of business in this District. On information and belief, MSAPL not only operates and conducts business from or through the same Northern California office or facility as Defendant MCPG, but for years has and continues to do business in California and in this District using the MCPG corporate name or identity. See Dkt. 60-2 (MTI representing that MSAPL does business as MCPG). As alleged above, MCPG has a principal place of business at 47300 Bayside Parkway, Fremont, California 94538 and is also based at 590 Alder Driver, Milpitas, California 95035—the same physical location as MTI's corporate offices in California. Further, on information and belief, MSAPL has also done, and may continue to be doing business as, Lexar, which appears to be the same company that was acquired and absorbed into MCPG as well as a brand under which MTI and its subsidiaries market and sell products directly into the state of California. See Dkt. 60-3 at 7, 9, 11 (MTI representing that MSAPL does business as Lexar). Thus, on information and belief, MSAPL transacts business in California

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from and through those same facilities and avails itself of the same California operations and California sales/distribution channels as MTI and MCPG. MSAPL has placed goods into the stream of commerce knowing they would be sold and distributed in California, and in this District.

- 19. Defendant MEL is subject to personal jurisdiction in this Court. MEL has conducted substantial business in California and, on information and belief, operates a physical and established place of business in this District. MEL not only operates and conducts business from or through the same Northern California office or facility as Defendant MCPG, but for years has and continues to do business in California and in this District using the MCPG corporate name or identity. See Dkt. 60-2 at 5 (MTI representing that MEL does business as MCPG). As alleged above, MCPG has a principal place of business at 47300 Bayside Parkway, Fremont, California 94538 and is also based at 590 Alder Driver, Milpitas, California 95035 the same physical location as MTI's corporate offices in California. Further, on information and belief, MEL has done and continues to do business as Lexar, which is a company that was absorbed into MCPG as well as a brand under which MTI and its subsidiaries market and sell products directly into the state of California. See Dkt. 60-3 at 13 (MTI representing that MEL does business as Lexar). Thus, on information and belief, MEL transacts business in California from and through those same facilities and avails itself of the same California operations and sales/distribution channels as MTI and MCPG. MEL has placed goods into the stream of commerce knowing they would be sold and distributed in California, and in this District.
- 20. Defendant MJL is subject to personal jurisdiction in this Court. MJL has conducted substantial business in California and, on information and belief, operates a physical and established place of business in this District. On information and belief, MJL not only operates and conducts business from or through the same Northern California office or facility as Defendant MCPG, but for years has and continues to do business in California and in this District using the MCPG and Lexar corporate names or identities. *See* Dkt. 60-2 at 3 (MTI representing that MJL does business as MCPG); Dkt. 60-3 at 13 (MTI representing that MJL did business as Lexar). As alleged above, MCPG has a principal place of business at 47300 Bayside

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Parkway, Fremont, California 94538 and is also based at 590 Alder Driver, Milpitas, California 95035—the same physical location as MTI's corporate offices in California. Thus, on information and belief, MJL transacts business in California from and through those same facilities and avails itself of the same California operations and sales/distribution channels as MTI and MCPG. MJL has placed goods into the stream of commerce knowing they would be sold and distributed in California, and in this District.

- 21. Defendant MMT is subject to personal jurisdiction in this Court. MMT manufactures and ships products from its manufacturing facilities in Taiwan to the United States and the state of California. MMT has conducted, and continues to conduct, substantial business in California from or through the same Northern California office or facility as Defendant MCPG and through third party retailers under the brand names such as Ballistix. Thus, on information and belief, MMT transacts business in California and avails itself of the same California operations and sales/distribution channels as MTI and MCPG. MMT has placed goods into the stream of commerce knowing they would be sold and distributed in California, and in this District.
- 22. Defendant MSCL is subject to personal jurisdiction in this Court. MSCL manufactures and ships products from its manufacturing facilities in China to the United States and the state of California. MSCL has conducted, and continues to conduct, substantial business in California from or through the same Northern California office or facility as Defendant MCPG and through third party retailers under the brand names such as Ballistix. Thus, on information and belief, MSCL transacts business in California and avails itself of the same California operations and sales/distribution channels as MTI and MCPG. MSCL has placed goods into the stream of commerce knowing they would be sold and distributed in California, and in this District.
- 23. Defendant IMFT is subject to personal jurisdiction in this Court. IMFT has conducted substantial business in California. As alleged above, IMFT was a joint venture between MTI and Intel, both of which have principal places of business within this District, with the purpose of manufacturing and supplying NAND flash memory products exclusively for its

members, MTI and Intel. On information and belief, IMFT makes and directs sales to California and California-based customers through its sale of products to MTI and Intel—both with established corporate operations and facilities in California, and specifically, in this District.

IMFT has placed goods into the stream of commerce knowing they would be sold and distributed in California, and in this District.

24. The MTI Defendants are subject to this Court's specific and general personal jurisdiction pursuant to due process and/or the California Long Arm Statute, due at least to their substantial business conducted in this forum through their direct and/or indirect presence and physical locations in Santa Clara, Fremont, and Milpitas, California, directly and/or indirectly through agents and intermediaries, including (i) having solicited and transacted business in the State of California and in this District, and derived substantial financial benefit from residents of the State of California and this District; (ii) having placed their products and services into the stream of commerce throughout the United States knowing and expecting the products to be purchased and used by consumers in California and in this District; (iii) having been actively engaged in transacting business in California and in this District; and (iv) either alone or in conjunction with others, having committed direct infringement in California or committed indirect infringement based on acts of direct infringement in California and from MTI's locations in Santa Clara and Milpitas, California, and MCPG's location in Fremont, California.

VENUE

- 25. Venue is proper in this District pursuant to 28 U.S.C. §§ 1391(b), 1391(c), 1391(d) and 1400(b) because a substantial part of the events giving rise to MLC's claim occurred in the Northern District of California.
- 26. Venue is also proper because the MTI Defendants are either residents in, or otherwise subject to personal jurisdiction in the Northern District of California. As alleged above, Defendants MTI, MCPG, and MSP transact substantial business (*e.g.*, the sale of multilevel cell NAND flash memory products accused of infringement) in this District and operate (directly or indirectly) physical and established places of business in this District.

27. Venue is proper over IMFT because it has a physical place of business in this				
District that is regular and established. As set forth above, IMFT constitutes a joint venture of				
MTI and Intel which was formed in 2006 for the purpose of manufacturing and supplying				
NAND Flash memory products solely to MTI and Intel. Thus, IMFT's entire existence was and				
s to manufacture and supply NAND Flash memory products to and from MTI and Intel's				
physical locations in this District—i.e., Milpitas, San Jose, and Santa Clara, California—and				
specifically depends on MTI, MCPG and Intel's locations in this District to accomplish its				
business purpose. Further, on information and belief, IMFT stores inventory, manufacturing				
supplies and design information and conducts demonstrations at the regular and established				
places of business in this District. In other words, the physical and principal places of business				
of MTI and Intel in this District are the physical places of business of IMFT. On information				
and belief, comparing the nature and activity of IMFT's place of business in this District with				
other alleged places of business of IMFT in other venues reveals that IMFT has a business model				
whereby the locations of IMFT's parents, principals, or joint venture partners are used by				
IMFT's business as its own places of businesses. Venue is therefore proper over IMFT since				
MFT uses the locations of MTI and Intel in this District as its own place of business.				

- 28. Venue is also proper in this District for the Micron Foreign Subsidiaries (MSAPL, MJL, MMT, and MSCL) pursuant to 28 U.S.C. § 1391(c)(3) because they are not residents in the United States, and therefore may be sued in any judicial district.
- 29. Venue is also proper in this District pursuant to 28 U.S.C. §§ 1391(b), 1391(c), 1391(d) and 1400(b) as to the MTI Subsidiaries because, based on information and belief: (i) the MTI Subsidiaries are alter egos or agents of MTI, their parent company; (ii) the MTI Subsidiaries, under the control or at the direction of MTI, perform some or all of the steps of a patented method; (iii) the MTI Subsidiaries and MTI cooperate in a joint enterprise to perform the steps of a patented method; and (iv) MTI actively induced the MTI Subsidiaries to infringe certain patent claims as alleged herein. As such, venue with respect to MTI may be properly imputed onto the MTI Subsidiaries.

30. Joinder of the MTI Defendants is proper under 28 U.S.C. § 299(a) because the MTI Defendants are related parties which are jointly or severally liable for infringement, or which make, use, sell, offer for sale, or import the same or similar multi-level cell NAND Flash memory devices arising out of the same transaction, occurrence, or series of transactions relating to infringement, with questions of fact common to the MTI Defendants. Joinder of the MTI Defendants is also appropriate under Rule 20 and 21, as MLC's allegations against the MTI Defendants arise from the same import to the U.S., manufacture, design, use, or sale of the same accused multi-level cell NAND Flash memory devices.

INTRADISTRICT ASSIGNMENT

31. Pursuant to Local Rule 3-2(c), intellectual property cases are assigned on a district-wide basis

THE ASSERTED PATENT

- 32. The '571 Patent is entitled "Electronically alterable non-volatile memory with N-Bits per cell." A true and correct copy of the '571 Patent is attached hereto as Exhibit A and incorporated herein by reference. A true and correct copy of the *ex parte* reexamination certificate for the '571 Patent is attached hereto as Exhibit B and incorporated herein by reference.
- 33. The invention of the '571 Patent generally relates to a multi-level electrically alterable non-volatile memory device that includes memory cells with more than two predetermined memory states. The device can be programmed, in accordance with input information, to one of a predetermined number of memory states. Each memory state has associated with it a reference voltage. A reference voltage can be selected based upon the input information (i.e., desired memory state), and the reference voltage can be compared to a voltage of the memory cell. A control signal is generated that indicates whether the cell has been programmed to the desired memory state. A programming signal can be controlled by the status of the control signal. Controlling the application of the programming signal is based upon the selected reference signal.

34. The application that resulted in the '571 Patent was filed on February 27, 1995, as a continuation-in-part and later amended to be a divisional of an application that was filed on June 4, 1993, application serial number 08/071,816 (now U.S. Patent No. 5,394,362), which was a continuation of an application filed February 8, 1991, application serial number 07/652,878 (now U.S. Patent No. 5,218,569). The U.S. Patent and Trademark Office duly and legally issued the '571 Patent on June 9, 1998.

MTI AND THE MTI SUBSIDIARIES

- 35. MTI is a global company in the business of manufacturing and selling semiconductor solutions. MTI's products include infringing memory devices based on multilevel cell NAND Flash technologies. Multi-level cell (MLC) NAND Flash is a popular memory device used in well-known consumer products such as tablet computers, personal music players, smart phones, and other devices. MTI has worldwide operations through which MTI made, used, offered for sale, and sold multi-level cell NAND Flash memory devices within the U.S., as well as imported and exported them to and from the U.S.
- 36. MTI is the parent company of Defendants MSP, MSAPL, MEL, MJL, MSCL, and MMT, which are wholly-owned subsidiaries, and MTI is the majority owner of Defendant IMFT. Upon information and belief, these MTI Subsidiaries manufacture MLC NAND Flash devices according to MTI designs and specifications, and then supply those devices to MTI and other MTI subsidiaries to be distributed and sold in the U.S. MLC NAND Flash devices manufactured by MTI as well as by each named MTI Subsidiaries both domestically and abroad, are sold in the U.S. under the "Micron" brand name or MTI-owned brands such as Lexar, Crucial Technology, Kodak and SpecTek Select.
- 37. As set forth above and below, each of the MTI Subsidiaries' infringing activities is not only for the benefit of MTI, but also under the direction and control of MTI. Each of the MTI Subsidiaries participates in MTI's infringing activities for the benefit of MTI as agents as well as alter egos of MTI. To the extent each of the MTI Subsidiaries separately benefit from

¹ 'MLC NAND Flash' and 'MLC x3 NAND Flash' are referred collectively herein as "multi-level cell NAND Flash memory devices".

their infringing activities, the MTI Subsidiaries and MTI act together in a joint enterprise for the purpose of making, selling and distributing infringing products. On information and belief, MTI receives, benefits, and shares the revenues and/or profits made by and/or generated from the direct and indirect infringing activities of the MTI Subsidiaries.

- 38. MTI and each of the MTI Subsidiaries share a unity of interests and ownership, where on information and belief, MTI directs and controls the activities and operations of the MTI Subsidiaries.
- 39. On information and belief, MTI designs all of its MLC NAND flash devices in the U.S. at MTI's Boise, Idaho headquarters, and in MTI's San Jose and Milpitas locations. For instance, MTI's website specifies that MTI's San Jose and Milpitas locations "design NAND products." On information and belief, MTI Subsidiaries, at the direction of MTI and/or in joint enterprise with MTI, also participate in the testing and development of the infringing designs. *See, e.g.,* MTI 2018 SEC 10-K at p. 8 ("Our process, design, and package development efforts occur at multiple locations across the world, with our largest R&D center located in Boise, Idaho and other R&D centers in Japan, China, Italy, Singapore, Taiwan, and other sites in the United States."); *see also,* MTI 2014 SEC 10-K at p. 7.
- 40. On information and belief, MTI distributes the MLC NAND flash device designs to its manufacturing facilities, including its wholly-owned manufacturing facilities located in other countries. MTI relies on its wholly-owned manufacturing facilities in the U.S. and other countries, specifically each of the MTI Subsidiaries, to supply MTI with MLC NAND Flash devices for sale in the U.S., as well as to U.S.-based corporations. *See* MTI 2018 SEC 10-K at p. 4 ("We [MTI] manufacture our products at our worldwide, wholly-owned and joint venture facilities located in Taiwan, Singapore, the United States, Japan, and China and also utilize subcontractors to perform certain manufacturing processes."); *see also*, MTI 2014 SEC 10-K Annual Report. MTI's manufacturing process involves a number of steps, including assembly and testing, and MTI tests and assembles products "in-house," that is, at MTI and MTI Subsidiaries. *See*, *e.g.*, MTI 2014 SEC 10-K at p. 5; MTI 2018 SEC 10-K at p. 5. Additionally, on information and belief, the manufacturing, assembly, and testing procedures performed by

MTI and the MTI Subsidiaries are directed and controlled by MTI. MTI 2014 SEC 10-K at 5; see also, MTI 2018 SEC 10-K at p. 4 ("Efficient production of semiconductor product requires utilization of advanced semiconductor manufacturing techniques and effective deployment of those techniques across multiple facilities. . . . we employ rigorous quality controls throughout the manufacturing, screening, and testing processes.")

- 41. MTI and the MTI Subsidiaries, separately and jointly under the direction and control of MTI, market, offer for sale, and sell infringing products through their "internal sales force, independent sales representatives, distributors, and e-tailers, primarily to original equipment manufacturers and retailers located around the world." *See* MTI 2018 SEC 10-K at 4.
- 42. For instance, MTI marketed infringing products through MTI's direct sales force, which include MTI sales or representative offices in markets around the world. *See* MTI 2018 SEC 10-K at p. 6. On information and belief, MTI's worldwide sales or representative offices through which MTI markets and sales infringing products, include the MTI Subsidiaries named in this suit. On information and belief, MTI consolidated the marketing of infringing products manufactured by MTI and the MTI Subsidiaries in its Parts Catalog available on MTI's website, which can be accessed at https://www.micron.com/products/nand-flash/mlc-nand/part-catalog. The Parts Catalog markets products as MTI's and does not distinguish whether MTI or a MTI Subsidiary is the manufacturer.
- 43. MTI offered for sale and sold infringing products under the Micron mark and a myriad of brands, including but not limited to Crucial, Ballistix, Spectek, and Lexar. On information and belief, MTI owned, and continues to own, the copyright and trademark rights to the brands under which MTI and the MTI Subsidiaries offered for sale and sold infringing products. For example, MTI owns the copyright for the Crucial website, www.crucial.com. Further, MTI owns the trademarks for: (i) the Crucial mark, which was registered on February 8, 2000 and has the serial no. 2316486; (ii) the Ballistix mark, which was registered on December 6, 2005 and has the serial no. 78438331; and (iii) the Spectek mark, which was registered on February 5, 2002 and has the serial no. 78293691.

44. MTI offered for sale and sold products through independent sales representations,					
distributors, and e-tailers, who, upon information and belief, "obtain orders subject to final					
acceptance by us [MTI], and we [MTI] make[s] shipments against the orders directly to our					
[MTI's] customers." See MTI 2018 SEC 10-K at p. 6 ("Our independent sales representatives					
obtain orders subject to final acceptance by us, and we make shipments against the orders					
directly to our customers."); see id. ("Many of our [MTI] customers require a thorough review or					
qualification of semiconductor products, which may take several months.") Through these third					
parties, MTI markets and directs sales of MTI's infringing products to the state of California.					
For example, MTI products made under the Ballistix and Crucial brands can be purchased					
through the following vendors: Crucial; Amazon; Newegg; and Micro Center Computer &					
Electronics. The third party vendors through which MTI markets and directs sales have a					
presence in, and direct sales to, the state of California. For example, MTI products under the					
MTI brand, in addition to the Crucial and Ballistix brands, are marketed and sold by MTI					
through third party vendor, Micro Center Computers & Electronics, which has a store front in					
Tustin, California and stocks MTI products. See					
https://www.microcenter.com/search/search_results.aspx?Ntt=Ballistix&Ntk=all&sortby=match					
&N=4294821695&myStore=true; see also,					
https://www.microcenter.com/search/search_results.aspx?N=4294816175.					

- 45. MTI and MTI Subsidiaries commingle funds and other assets. MTI filed and continues to file consolidated SEC 10-K Annual Reports on its behalf as well as on behalf of the MTI Subsidiaries, which report consolidated financial information on behalf of MTI and the MTI Subsidiaries, including consolidated sales and revenue data from sales of NAND Flash products made by MTI and the MTI Subsidiaries without segregating and/or differentiating sales and revenues among the different entities.
- 46. MTI wholly owns or owned the following MTI Subsidiaries: MCPG; MSP; Lexar; MSAPL; MEL; MJL and MMT. MTI owns a majority of IMFT.
- 47. MTI and the MTI Subsidiaries consolidate corporate records. On information and belief, MTI and the MTI Subsidiaries share and maintain integrated accounting books, records,

financial and tax-related documents. For example, MTI prepares and makes publicly available consolidated financial statements that include financial information of the MTI Subsidiaries. *See Micron I*, Dkt. 240 (Court Nov. 26, 2018 Order) at 4 ("Micron has not shown that it would be burdensome to produce the foreign sales data, and indeed the Kearsley declaration indicates that the information is readily available.").

- 48. MTI holds itself out as liable for the debts of the MTI Subsidiaries. For example, during the relevant time period and according to MTI's 2014 SEC Annual 10-K Reports, MTI, among other things, (i) guaranteed certain debt obligations of its subsidiaries; (ii) guaranteed over \$600 million of debt obligations of its subsidiaries as of August 28, 2014; (iii) provided various financial guarantees, including contracts and banking facilities, issued in the normal course of business on behalf of its subsidiaries; (iv) entered into commercial transactions and financial arrangements with and/or on behalf of its subsidiaries in order to enhance the value of the transaction; (v) entered into agreements covering activities of its subsidiaries whereby MTI would be obligated to perform under the guarantee and contracts if its subsidiaries were to default; and (vi) guaranteed credit facilities for its subsidiaries that provide over \$400 million in financing. Also, on information and belief, the majority of these commercial and financial guarantees have no contractual expiration.
- 49. Further, on information and belief, MTI sets aside monies to finance litigation, pay for liabilities and/or settlement obligations, including liabilities resulting from patent infringement disputes. For example, according to MTI's 2014 Annual 10-K Report, Micron represents that it has "accrued a liability and charged operations for the estimated costs of adjudication or settlement of various asserted and unasserted claims" that "Micron and its subsidiaries' products or manufacturing processes infringe [third-party] intellectual property rights."
- 50. MTI and the MTI Subsidiaries use the same offices and overlap in employees. For example, MSP did and/or continues to do business as MCPG and thus shares MCPG's principal place of business at 47300 Bayside Parkway, Fremont, California 94538. MEL did and/or continues to do business as Lexar during the relevant time period, and thus shared its

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principal office located at 47300 Bayside Parkway, Fremont, California 94538. Lexar and MCPG shared or continue to share a principal place of business at 47300 Bayside Parkway, Fremont, California 94538.

51. MTI and the MTI Subsidiaries employ and recruit employees for overlapping and/or shared positions. On information and belief, MTI recruits and hires employees and engineers on behalf of MTI as well as on behalf of MTI Subsidiaries worldwide. For example, MTI owns and controls the MTI corporate website which advertises that "Micron has locations and employment opportunities globally," including but not limited to NAND flash product development and NAND flash engineering positions at worldwide offices and manufacturing facilities purportedly owned by certain MTI Subsidiaries. Through MTI's job portal, regardless of whether the available position will be located at MTI or a MTI Subsidiary location, all postings represent that that hiring company is "Micron." *See e.g.*, https://jobs.micron.com/go/Jobs-in-

Singapore/389158/? q = &sortColumn = reference date &sortDirection = desc.

information and belief, MTI acquired companies in other countries and converted them into wholly-owned subsidiaries for tax purposes. For example, MTI opened its largest manufacturing center in Singapore as MTI Subsidiary, MSAPL, because the country allows Micron to compute tax provisions at below average rates. MTI then directs and oversees the products MSAPL manufactures, in addition to the sale and shipment of these products to the United States, and the state of California. MTI also created the Crucial brand, through which MTI Subsidiaries do business as, such as MSP and MCPG, in order to allow "end users to buy memory direct from a major manufacturer," *i.e.*, MTI. *See* https://www.crucial.com/usa/en/company-history. At all times MTI owns the legal and equitable to the IP used by the MTI Subsidiaries to design, manufacture, market and sell products and all profits flow back to MTI. Further, on information and belief, MTI incorporated and is the registered agent for the U.S.-based MTI Subsidiaries. For example, MTI orchestrated and controlled the incorporation of MCPG and Lexar (which were eventually merged). Currently, the registered agent for MCPG is Joel Poppen, who is

MTI's Senior Vice President, Legal Affairs, General Counsel and Corporate Secretary.² Similarly, MTI also orchestrated and controlled the incorporation of MSP, the registered agent of which is also Joel Poppen.³

- 53. Upon information and belief, MTI represents itself and its MTI Subsidiaries as a single, world-wide, integrated company under the control and management of its parent, MTI. For example, MTI publicly represents its global operations (*i.e.*, MTI Subsidiaries) using plural pronouns to refer to a single integrated entity. According to MTI's 2018 SEC Annual 10-K Report, "Micron Technology, Inc., including its consolidated subsidiaries, is an industry leader in innovative and storage solutions." *See* MTI 2018 SEC 10-K ("As used herein, 'we,' 'our,' 'us,' and similar terms include Micron Technology, Inc. and our consolidated subsidiaries."); *see also*, MTI 2014 SEC 10-K Annual Report.
- 54. Further, MTI and the MTI Subsidiaries share the same website, http://www.micron.com. Upon information and belief, Micron's website is accessible nationally and internationally, and is not only active in U.S. interstate commerce but also a recruiting platform to recruit U.S. employees to work for MTI but at MTI's wholly-owned foreign subsidiaries to make NAND Flash products as discussed further below.
- MTI. On information and belief, MTI financially supports and provides credit and capital to the MTI Subsidiaries, as well as guarantees loans and debt obligations for the MTI Subsidiaries. On information and belief, the MTI Subsidiaries do not own equitable or legal title to any relevant IP, all such title is owned by MTI, and therefore the MTI Subsidiaries lack capitalization to satisfy debts accrued in the normal course of business absent MTI's financial support. On information and belief, during the relevant time period, there were and remain no meaningful restrictions on MTI's ability to access and use the cash and equivalent assets held by MTI's

² The incorporation records are available at https://sosbiz.idaho.gov/search/business, by entering the name "Micron Consumer Products Group" or file number "535110".

³ The incorporation records are available at https://sosbiz.idaho.gov/search/business, by entering the name "Micron Semiconductor Products" or file number "356845".

wholly-owned Subsidiaries to be used at MTI's discretion to, for example, finance other operations or departments, and is not subject to approval or agreement by the MTI Subsidiaries. *See* MTI 2017 SEC 10-K ("Restrictions on Net Assets"). Further, on information and belief, all revenue generated by the MTI Subsidiaries flow back to MTI. Therefore the MTI Subsidiaries are insufficiently capitalized to cover debts accrued in the normal course of business absent MTI's approval and subject to MTI's discretion.

- 56. Further, on information and belief, the de facto officers and employees that work at the MTI Subsidiaries' offices, and whom the MTI Subsidiaries rely upon for the running of daily operations, are employed by, and paid by, MTI. Absent MTI's payment of payroll, the MTI Subsidiaries would lack capital to make payroll and daily operations would cease. On information and belief, as a result of the inadequate capitalization of the MTI Subsidiaries, the MTI Subsidiaries would be insolvent but for the financial support and guarantees from MTI.
- 57. On information and belief, MTI and the MTI Subsidiaries disregard corporate formalities. For example, MTI and MTI Subsidiaries disregard the corporate formality of being represented by and advised by separate legal counsel.
- 58. On information and belief, MTI's in-house counsel legal department advises and owes a fiduciary obligation to MTI, and also advises, oversees and acts on behalf of the MTI Subsidiaries. On information and belief, MTI's in-house legal department therefore represent and advise both MTI and the MTI Subsidiaries regarding any intercompany contracts or business, customers or trade contracts, legal disputes, as well as governmental securities and tax regulations.
- 59. On information and belief, MTI had and continued to provide such legal support and oversight to the MTI Subsidiaries during the relevant time period. For example, during the relevant time period, Mr. David Westergard served as both MTI's in-house counsel and director of patent licensing, while also serving as the director of European litigation in which he has "led or played a major role in virtually every major IP litigation naming Micron as plaintiff or defendant since 1995." *See* Dkt. 84-3 (Westergard LinkedIn Profile). On information and belief, because MTI acts through the MTI Subsidiaries internationally, including MEL, Mr. Westergard

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and MTI's legal department has overseen and advised litigations involving MEL and other MTI Subsidiaries.

- 60. On information and belief, MTI and the MTI Subsidiaries employ the same outside litigation counsel to represent and advise MTI and the MTI Subsidiaries in litigation. For example, MTI and MSP have been represented by the same outside litigation counsel. See Rambus Inc. v. Micron Technology, Inc., and Micron Semiconductor Products, Inc., Case No 06-CV-00244 (RMW) (N.D.Cal.). MTI and Lexar (who MEL does business as in the U.S. and the state of California) have been represented by the same outside litigation counsel. See Technology Properties Limited, LLC, v. Lexar Media, Inc. and Micron Technology, Inc., 6:12cv-00211 (E.D. TX). MTI and MCPG have been represented by the same outside litigation counsel. See E.Digital Corporation, v. Micron Technology, Inc., No. 13-CV-2944-H (BGS) (S.D.Cal.). In the instant litigation, the same outside litigation counsel represent all of the MTI Subsidiaries that have made an appearance, including IMFT, MSP, MCPG and MEL. On information and belief, MTI pays the legal fees accrued by outside litigation counsel on behalf of the MTI Subsidiaries, and MTI approves and pays the ultimate settlements reached. See MTI's 2014 Annual 10-K Report (MTI has "accrued a liability and charged operations for the estimated costs of adjudication or settlement of various asserted and unasserted claims.").
- 61. On information and belief, MTI brings litigation on behalf of its subsidiaries. For example, MTI brought suit against United Microelectronics Corporation ("UMC") in the Northern District of California for trade secret misappropriation on behalf of the MTI Subsidiary, MMT, alleging that UMC induced a former MMT employee to misappropriate MTI trade secrets. *See Micron Tech., Inc. v. United Microelectronics Corp.,* No. 17-CV-06932-JSW (N.D. Cal.).
- 62. On information and belief, MTI and the MTI Subsidiaries disregard corporate formalities on the basis that based upon publicly available documents, six of the MTI Subsidiaries— MSP, MCPG, IMFT, Lexar, MEL and MJL—do not have any board of directors, and thus do not conduct board meetings, do not maintain corporate minutes or otherwise maintain records reflecting adherence to corporate formalities. As a result, on information and

belief, MTI sets the policies for corporate management and otherwise controls the six MTI Subsidiaries. On information and belief, based upon publicly available documents, the two MTI Subsidiaries which do appear to have boards— MSAPL and MMT—are not independent of MTI, and provide MTI with a board majority to control the MTI Subsidiary. For example, MSAPL appears to have one board member, Wayne Allan, who serves as MTI's Vice-President of Global Manufacturing, and therefore provides MTI with a board majority of MSAPL. On information and belief, MSAPL and MMT also fail to conduct board meetings, do not maintain corporate minutes or otherwise maintain records reflecting adherence to corporate formalities.

- 63. On information and belief, MTI and the MTI Subsidiaries jointly represent themselves to the public as a single entity operating under the auspices and brand of MTI, the parent company. On information and belief, MTI uses the website www.micron.com to direct and control the marketing of the MTI Subsidiaries, and MTI Subsidiaries do not operate independent websites. To the extent that MTI and MTI Subsidiaries market and sell goods under MTI-owned brand names, such as Crucial and Ballistix, MTI owns the legal and equitable rights to the copyright and trademark, including the website through which the goods are marketed and sold. *See e.g.*, www.crucial.com.
- 64. On information and belief, the MTI mark is used without distinction or separation on products and marketing collateral materials, regardless of whether the product was designed, made and/or sold by MTI or a MTI Subsidiary. For example, MTI and the MTI Subsidiaries, including MCPG and MSP, market and sell the manufactured products under the Crucial and Ballistix brands, the labels for which prominently display that it is "by Micron," and does not disclose the MTI Subsidiaries.



Available at https://www.amazon.com/Crucial-Bx500-480Gb-Client-

Drive/dp/B07GSYR24T?ref_=ast_bbp_dp.

EXPLISITION — W. Allcron — W. A

Available at https://ballistixgaming.com/products/dram/elite/ballistix-elite-ddr4.html.

65. On information and belief, the MTI mark is used for the offices and facilities of both MTI and the MTI Subsidiaries worldwide, without any other clear signage suggesting to the public that MTI and its subsidiaries are separate or distinct entities. For example, MSP is located at the same address as MTI's Boise, Idaho location and does not appear to reflect signage independent of MTI's mark. *See also*:



66. MTI and the MTI Subsidiaries have overlapping directors and officers who have management authority over MTI Subsidiaries and make decisions on behalf of, and otherwise control, the MTI Subsidiaries. MTI files consolidated SEC 10-K Annual Reports on its behalf as well as on behalf of the MTI Subsidiaries, and those consolidated annual reports identify a single set of executive officers and directors for both MTI and the MTI Subsidiaries. On information and belief, there is an overlap in legal directors and officers who represent MTI and MTI Subsidiaries and provide counsel. For example, David Westergard serves as both MTI's inhouse counsel and the director of European Litigation, which encompasses IP litigation where

MTI or an MTI Subsidiary is a party. On information and belief, there is overlap in directors and officers who oversee and control intercompany asset and cash flow. For example, Roger Kearsley is an international tax manager at MTI and is currently MTI's Director of global transfer pricing, and oversees and controls the intercompany pricing and product flows between MTI and the MTI Subsidiaries. MLC I, Dkt. 255-3 at $\P 4$.

67. On information and belief, there is an overlap in directors and officers who oversee and control global manufacturing by MTI's Subsidiaries. For example, Wayne R. Allan is MTI's Vice-President of Global Manufacturing and "is responsible for managing all wafer fabrication operations at Micron's global locations," which includes the MTI Subsidiaries, and appears to serve as the sole board member of MSAPL, and thus forms a board majority. *See e.g.*, https://www.bloomberg.com/profile/person/18748106;

https://www.bloomberg.com/profile/company/0177484D:SP;

https://www.crunchbase.com/person/wayne-r-allan.

68. The adherence to the fiction of a separate existence between MTI and the MTI Subsidiaries would promote an injustice on the following bases. For example, MTI's commingling of funds with those of the MTI Subsidiaries make it difficult to trace the funds which are attributable to MTI's infringing conduct. Further, MTI's funneling of the marketing and sale of the infringing products made by MTI and MTI Subsidiaries through MCPG, and the MTI-owned brands such as Crucial, Ballistix, and Lexar, make it difficult to trace which infringing product was made by which party, even though all profits flow back to MTI. Additionally, an inequitable result will follow if alter ego is not recognized since MTI will be unfairly rewarded for its creation of MTI Subsidiaries which merely serve as conduits through which MTI directs and controls the design, manufacture and sale of the infringing products.

RELATED LITIGATION: MICRON I

69. On August 12, 2014, MLC filed a suit against MTI for the direct infringement of the '571 Patent. The case is pending in the Northern District of California at *MLC Intellectual Property, LLC v. Micron Technology, Inc.*, Case No. 14-cv-03657-SI ("*Micron I*").

- 70. As discussed below, MTI, and by extension, the MTI Defendants have had knowledge of the '571 Patent and their infringement as early as November 2006.
 - 71. *Micron I*, involved a single party, MTI, and thirteen accused products.

Party At Issue In <i>Micron I</i>	Products At Issue In <i>Micron I</i>
MTI (Micron Technology, Inc.)	L52a, L63b, L72a, L73a, L74a, L83a, L84a,
	L84c, L85a, L85c, L95b, B75a, and N85a.
	Micron I, Dkt. 193 (Aug. 20 Order); Dkt.
	546-3 at 10 n. 6 (Mot. for Summary
	Judgment).

- 72. On November 13, 2018, MLC moved to amend the complaint in *Micron I* based on MTI's then-recent statements and admissions regarding infringing sales by MTI's subsidiaries.
- 73. On January 11, 2019, the Court denied MLC's motion to amend, stating that "[i]f MLC wishes to pursue claims against the subsidiaries. . . , MLC may do so in a separate lawsuit or lawsuits." *Micron I*, Dkt. No. 288 at 2-3.
- 74. *Micron I* remains pending in the Northern District of California. The Court has denied MTI's motions for summary judgment of invalidity and non-infringement.
- 75. In *Micron I*, MTI represented to the court in *Micron I* that it was not in privity with the MTI Subsidiaries for purposes of that lawsuit. For example, MTI argued that MLC was incorrect to assert "that MTI, the sole defendant in th[e] case, would be liable for its subsidiaries' acts" because "[a] parent company such as MTI is liable for a subsidiary's infringement under 35 U.S.C. § 271(a) only when the evidence justifies disregarding the corporate structure and piercing the corporate veil," but there was "no justification for piercing the corporate veil to hold MTI liable for subsidiary/affiliate activities." *Micron I*, Dkt. No. 226 at 12-13.
- 76. MTI stated in *Micron I* that its "subsidiaries and affiliates (past and present),... have had no opportunity to prepare or develop any defense in this case. For example, they have not been involved in the preparation of Micron's invalidity contentions or claim construction positions. Nor have they been involved in litigating this case by (for example) participating in

proceedings (of which there have been two). *Micron I*, Dkt. No. 226 at 15 (Opp'n for Sanctions).

77. MTI also stated in *Micron I* that "Micron subsidiaries and affiliates are presumed to be separate and distinct legal entities from Micron," and that MLC could not

discovery (e.g., by exchanging interrogatories or other requests), depositions, or in Markman

- presumed to be separate and distinct legal entities from Micron," and that MLC could not "show that Micron *controls* litigation involving its subsidiaries. Thus, it does not satisfy the requirements for (for example) alter ego liability under the law of this Circuit." *Micron I*, Dkt. No. 226 at 1920.
- 78. In addition, MTI further stated in *Micron I* that "any financial control over Micron's subsidiaries (which MLC has not shown), absent more, is also an insufficient basis to disregard the corporations' individual corporate forms. . ." *Micron I*, Dkt. No. 226 at 20.
- 79. In addition, Micron represented in a motion *in limine*, that its "subsidiaries are independent entities that are liable for their own actions." *Micron I*, Dkt. No. 445 at 4 (Mot. *in Limine* No. 2) ("Micron, the only named defendant in this case, bears no liability for those independent entities or their sales."). Micron also argued that none of the activities of the MTI Subsidiaries rose "to the level sufficient to satisfy the high bar for vicarious liability. . . , such as the 'alter ego exception." *Id*.
- 80. The Court adopted Micron's argument, concluding, "based upon the briefing and the arguments of counsel," that MLC could not show that "as a factual matter" and "as a matter of law" that the MTI Subsidiaries and MTI Foreign Subsidiaries are alter egos of MTI. *Micron I*, Dkt. No. 596 at 2-3.
- 81. Thus, while the MTI Subsidiaries were the alter egos of MTI during the relevant time period of notice and infringement, the MTI Subsidiaries and the MTI Foreign Subsidiaries were not privies of MTI for purposes of *Micron I*, and Micron is estopped from asserting privity in the current lawsuit. On information and belief, the MTI Subsidiaries are the alter egos and/or agents of MTI for purposes of this lawsuit.

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82. The claims of infringement in this First Amended Complaint differ from those in Micron I. For example, MLC accuses products that were not accused in Micron I, along with parties that were not at issue in *Micron I*.

83. MTI itself admitted that certain claims that MLC sought to include in *Micron I* through an amended complaint would constitute entirely new claims of infringement. Micron I, Dkt. No. 226 at 16 ("MLC's new claims of infringement (for example, for the manufacture and sales of all the accused products listed in MLC's complaint) against all nine Micron present and past subsidiaries/affiliates can be expected to require extensive discovery and other efforts.").

NOTICE OF THE '571 PATENT AND INFRINGEMENT

- 84. Even prior to the filing of the complaint in *Micron I*, the MTI Defendants had actual notice that they infringed the '571 Patent, or the notice provided to MTI was imputed to the other MTI Defendants. As discussed below, MTI received actual notice of the '571 Patent as well as actual notice of infringement as early as November 2006. Further, given the relationship between MTI and the wholly-owned MTI Subsidiaries, including the in-house counsel for MTI and the other MTI Defendants, each of the MTI Subsidiaries and MTI Foreign Subsidiaries received actual notice of the '571 Patent as well as actual notice of infringement as early as November 2006, and again in 2007, 2011, and 2013.
- 85. On information and belief, MTI, namely, MTI's Legal Department, provides not only legal services and support to the MTI Subsidiaries, but is also responsible for and has oversight over the entire Micron corporation, both domestically and globally and on behalf of its MTI Subsidiaries, regarding, inter alia, intellectual property related matters.
- 86. On or about November 29, 2006, BTG (the assignee of the '571 Patent at the time) sent to MTI's Legal Department correspondence addressed to MTI's then-Director of Patent Licensing and European Litigation, Mr. David Westergard. The 2006 letter identified, inter alia, the '571 Patent and specific claims to the '571 Patent, MTI's multi-level cell NAND Flash memory devices as products affected by the '571 Patent, and stating that MTI should study the '571 Patent. The communication also included an offer to license the '571 Patent. On information and belief, subsequent to that letter, BTG's representatives and MTI

multi-level cell patents, including the '571 Patent, as well as the offer to license.

representatives communicated on multiple occasions, including telephonically, regarding the

BTG's successes in licensing the multi-level cell patents, including the '571 Patent, to major

NAND Flash manufacturers that compete with MTI in the memory market. Additionally, in

that June 29, 2007 letter, BTG reiterated its offer to license to MTI and included an amount

based on very conservative forecast of Micron's future sales and a heavily discounted royalty

with Micron regarding taking a license to the multi-level cell patents, including the '571 Patent

on terms consistent with terms BTG had offered to earlier major NAND flash licensees.

the patent owner, sent MTI a package that included a letter to Micron regarding Micron's

unauthorized use of MLC's patented technology in Micron's multi-level cell or "MLC" and

the '571 Patent. The letter to Micron identified exemplary claims of the '571 Patent and the

triple-level cell or "TLC" NAND Flash devices and offered Micron a non-exclusive license to

On or about June 29, 2007, BTG sent a follow-up letter to notify MTI of

In or about February 2008, representative of BTG, Christine Soden, followed-up

On or about September 13, 2011, Muir Patent Consulting, PLLC, on behalf of

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applicability of those claims to Micron's "MLC" and "TLC" products. Further, the package from Muir Patent Consulting, PLLC also included several enclosures including a copy of BTG's ITC Complaint against entities, including Samsung – one of Micron's competitors in the flash memory market.

90. In 2013, Epicenter Law, also on behalf of the patent owner, reached out to

90. In 2013, Epicenter Law, also on behalf of the patent owner, reached out to Micron to discuss MTI's multi-level cell NAND Flash memory devices, licensing opportunities, and reminded MTI that it received notice to its infringement at least in November 2006 and in June 2007 when BTG notified MTI of its infringement.

91. These communications were sent to MTI's Legal Department located at MTI's global headquarters in Boise, Idaho, who also serve as legal counsel to the MTI Subsidiaries. Sending the notifications to MTI and the MTI Subsidiaries' legal counsel, who reside at MTI's corporate headquarters, and identifying the group and/or specific infringing

ise, offered, sold or imported following the

products, which are marketed on MTI's corporate website via MTI's Parts Catalog which consolidates all products designed, manufactured and/or distributed by MTI and the MTI Subsidiaries, these notice communications were consistent with the way that MTI and the MTI Subsidiaries hold themselves out to the public as a single entity. Legal counsel for MTI and the MTI Subsidiaries were therefore on notice and had an obligation to inform all its clients—MTI and the MTI Subsidiaries—of the communications notifying them of their infringement. Separately and taken together, these communications put MTI and the MTI Subsidiaries on notice of infringement.

- 92. Despite knowledge of the '571 Patent, and knowledge of infringement, the MTI Defendants took no steps to end its infringement either by ceasing the production and sale, or by taking a license to the '571 Patent. Over the course of several years, the MTI Defendants misled representatives of the patent holder through perfunctory licensing negotiations. Even up through the expiration of the '571 Patent, the MTI Defendants continued to infringe the '571 Patent, and continued to direct, control, and knowingly and actively induce acts of infringement by the MTI Subsidiaries.
- 93. Notwithstanding actual notice, MLC is entitled to pre-suit damages extending back prior to expiration of the '571 Patent. Neither MLC nor BTG (the prior owner of the '571 Patent) has made or sold products covered by the '571 Patent and, as such, the requirements under 35 U.S.C. Code § 287 are not applicable. Further, upon information and belief, licensees to the '571 Patent not only denied infringement of the '571 Patent during licensing negotiations, but MLC is unaware of any evidence that any licensee has sold products after the date of their respective licenses that required marking during the damages period.

MTI DEFENDANTS' INFRINGING PRODUCTS AND METHODS

94. This suit involves new Micron products that infringe the '571 Patent in a new way than those products accused of infringement in *Micron I*. The "New Micron Products" are MLC NAND Flash based on designs (e.g., L94) different from the thirteen products at issue in *Micron I*; the New Micron Products include multi-level NAND Flash cell flash that was made, use, offered, sold or imported following the filing of the complaint in *Micron I*, but prior to the

expiration of the '571 patent; on information and belief, some of the New Micron Products were made, used, offered for sale, sold or imported into the United States after MLC served its infringement contentions, on December 5, 2014, in *Micron I*. The New Micron Products are based on "new schematics". *Micron I*, Dkt. 274-3 at 11 (Opp'n to Mot. To Compel). Each "encompass many different kinds of products." *Micron I*, Dkt. 318-3 at 29 (Opp'n to Mot. To Amend).

- 95. MLC's Infringement Contentions in *Micron I* identified thirteen product designs "based on the information presently known and reasonably available to MLC." *Micron I*, Dkt. 27-7. The New Micron Products are multi-level cell NAND Flash based on designs that were not issue in *Micron I*, not discovered in *Micron I*, and not litigated in *Micron I*. For example, MPNs based on Micron's L94 design. The New Micron Products were discovered after the close of discovery in *Micron I* when it was revealed by Micron that it had not disclosed all releases of its multi-level cell NAND flash, only the thirteen available at the time of the filing of MLC's complaint and infringement contentions.
- 96. At the close of discovery in *Micron I*, Micron admitted that there were additional NAND flash products that it had not disclosed or produced beyond the thirteen products accused. *Micron I*, Dkt. 257-3 at 16 (Mot. to Compel). When MLC moved to compel, Micron opposed the motion on the basis that the new, undisclosed NAND flash products were unaccused and not within the scope of *Micron I*. *Micron I*, Dkt. 274-3 (Opp'n to Mot. To Compel). Micron stated that it understood the complaint and infringement contentions in *Micron I* to accuse certain MLC NAND Flash, and not all MLC NAND Flash. *Id*. Micron further admitted after the close of fact discovery that "[*MicronI*] is not about all Micron MLC and TLC products". *Id*. at 10.
- 97. Micron conceded the New Micron Products were "never accused" in *Micron I*. *Id.* at 14. Micron confirmed that it was its understanding that "MLC's Infringement Contentions (which is the pleading that governs the scope of the accused products in this case) unequivocally defines the accused products as 174 Micron MPNs, not once accusing a broad category of products such as MLC and TLC NAND." *Id.* at 15.

- 98. Micron further argued that assertion of infringement of the New Micron Products in *Micron I* was "foreclosed by the operation of the Patent Local Rules". *Id.* at 14. According to Micron, products not specifically identified by name or model number were not accused. Id. The name/model number of the New Micron Products was not discovered until after the close of fact discovery in *Micron I*, and as noted, on information and belief, some of the New Micron Products were made, used, offered, sold, and/or imported after MLC served its infringement contention in *Micron I*, but prior to expiration of the '571 Patent.
- 99. A month prior to the filing of the complaint in the current suit, Micron confirmed again in *Micron I* that "The [*MicronI*] 'Accused Products' correspond to Design IDs L52A, L63A, L63B, L72A, L73A, L74A, L83A, L84A, L84C, L85A, L85C, L95B, and B74A." Micron I, Dkt. 546-3 at 10 n. 6 (Mot. For Summary Judgment). The New Micron Products (e.g. L94) are not the same as the thirteen products at issue in *Micron I*.
- 100. As shown in the table below, MTI is accused of infringing the '571 Patent for making, using, selling, offering, and/or importing the New Micron Products.
- 101. The MTI U.S. Subsidiaries are accused of infringing the '571 patents for making, using, selling, offer, and/importing the New Micron Products, and L52a, L63b, L72a, L73a, L74a, L83a, L84a, L84c, L85a, L85c, L95b, and B75a products. The MTI U.S. Subsidiaries were not at issue in *Micron I*, and MTI represented in *Micron I* that the MTI U.S. Subsidiaries were not in privity with Micron for that litigation.
- 102. The MTI Foreign Subsidiaries are accused of infringing the '571 patents, for example, selling, offering, and/importing the New Micron Products, and L52a, L63b, L72a, L73a, L74a, L83a, L84a, L84c, L85a, L85c, L95b, and B75a products. The MTI Foreign Subsidiaries were not at issue in *Micron I*., and MTI represented in *Micron I* that the MTI Foreign Subsidiaries were not in privity with Micron for that litigation.

Part(y/ies)	Accused Products
MTI (Micron Technology, Inc.)	New Micron Products (e.g., L94)
MTI U.S. Subsidiaries (i.e., MCPG, MSP, IMFT, Lexar)	New Micron Products (e.g. L94) and L52a, L63b, L72a, L73a, L74a, L83a, L84a, L84c, L85a, L85c, L95b, B75a.
MTI Foreign Subsidiaries (i.e., MSAPL, MEL, MJL, MMT, and MSCL)	New Micron Products (e.g., L94) and L52a, L63b, L72a, L73a, L74a, L83a, L84a, L84c,
vill, wise, wiver, and wisel)	L85a, L85c, L95b, B75a.

- 103. The Defendants make, use, sell, offer for sale, and/or import into the United States multi-level cell NAND Flash memory devices and products incorporating such devices.
- 104. The Defendants' embedded multi-level cell NAND Flash based storage devices are utilized in mobile phones, tablets, computers, industrial and automotive applications, networking and other personal and consumer applications. The Defendants' multi-level cell NAND Flash memory devices are also incorporated into, among other things removable storage devices, such as USB and Flash memory cards used with applications such as PCs, digital still cameras, and mobile phones.
- directly and indirectly making, using, offering to sell, selling, and importing, in or into this district and elsewhere in the United States, multi-level cell NAND Flash memory devices, which include but are not limited to products the MTI Defendants refer to as "MLC NAND Flash" or "TLC NAND Flash" memory products and parts. While the underlying designs of the multilevel cell NAND Flash memory devices infringe the '571 Patent, the Defendants make, market for sale, sell, , and/or distribute infringing multi-level cell NAND Flash memory devices under a variety of names, brands, and marketing part numbers such as (for illustrative purposes only and without limitation) MT29F32G08CBAAA, MT29F32G08CBAAA, MT29E256G08CMCABJ2-10Z, MT29F64G08CBEFBL94C3WC1, and MT29F64G08EBAA⁴.

⁴ In *Micron I*, MTI identified some, but not multi-level cell NAND Flash memory devices made and/or sold by it or by its wholly-owned subsidiaries, the MTI Subsidiaries. As a result, any product(s) or design(s) not subject to infringement in or under *Micron I* are accused of infringing the '571 Patent in this suit.

- 106. The Defendants also infringed the '571 Patent literally and/or through equivalence by directly and indirectly making, using, offering to sell, selling, and importing, in or into this district and elsewhere in the United States multi-level cell NAND Flash memory devices sold and/or marketed under a myriad of different brands, including but not limited to: Lexar, Crucial, Kodak, Ballistix, and SpecTek Select brands.
- 107. Based on non-confidential and publicly available information presently known and reasonably available to MLC, the Defendants make, offer for sale, and sell devices that infringe at least the following claims of the '571 Patent: 1, 9, 12, 15, 16, 17, 30, 42, and 45.
- 108. For example, independent claim 9 claims a multi-level memory apparatus comprising (a) an electrically alterable non-volatile memory cell having more than two predetermined memory states; (b) a selecting device which selects one of a plurality of predetermined reference signals in accordance with information indicating a memory state to which the memory state is to be programmed, each reference signal corresponds to a different memory state of said memory cell; (c) a programming signal source which applies a programming signal to said memory cell; and (d) a comparator which compares a signal corresponding to the state of said memory cell with the selected reference signal to verify whether said memory cell is programmed to the state indicated by said information.
- 109. Another example is independent claim 30 which claims an apparatus for programming an electrically alterable non-volatile memory cell having more than two predetermined memory states, comprising (a) a selecting device which selects one of a plurality of reference signals in accordance with information indicating a memory state to which said memory cell is to be programmed, each reference signal corresponding to a different memory state of said memory cell; (c) a programming signal source to apply a programming signal to said memory cell; and (d) a control device to said memory cell based on the selected reference signal.
- 110. The Defendants make and sell multi-level cell NAND Flash devices (e.g., MT29F32G08CBAAA, MT29F32G08CBAAA, MT29F32G08CBAA, MT29E256G08CMCABJ2-10Z, MT29F64G08CBEFBL94C3WC1, and MT29F64G08EBAA) which infringes claim 9 because the devices contain electrically alterable non-volatile memory cells having more than two

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predetermined memory states. See, e.g., TechInsights Internal Waveform Analysis of the Micron MT29F32G08CBAAA 34nm 32 Gbit MLC NAND Flash Micron produced in Micron I as MLC00000025- MLC00000089. The multi-level cell NAND Flash device selects a predetermined reference signal where each reference signal corresponds to a different memory state of the memory cell. Further, the multi-level cell NAND Flash device programs the memory cell and compares a signal corresponding to the state of the memory cell with the selected reference signal to verify whether the memory cell is programed to the desired state. For instance, the accused multi-level cell NAND Flash device compares a voltage of the memory cell to verify reference voltage to determine whether the memory cell has been properly programmed.

- 111. Similarly, the accused multi-level cell NAND Flash devices also infringe claim 30 because accused devices also include a programming signal source which applies a programming signal to the memory cell. In particular, the accused multi-level cell NAND Flash device applies programming voltage pulses (or signals) to the memory cell until it verifies that the cell has been programmed to the desired state.
- Yet another example is independent claim 45 which claims a method of programming an electrically alterable non-volatile memory cell having more than two predetermined memory states, said method comprising: (a) selecting one of a plurality of reference signals in accordance with information indicating a memory state to which said memory is to be programmed, each reference signal corresponding to a different memory state of said memory cell; (b) applying a programming signal to said memory cell; and (c) controlling the application of said programming signal to said memory cell based on the selected reference signal.
- 113. The accused multi-level cell NAND Flash devices also infringe claim 45 because each device programs an electrically alterable non-volatile memory cell having more than two predetermined memory states by selecting one of a plurality of reference signals where each reference signal corresponds to a different memory state of the memory cell, and by applying and controlling a programming signal to the memory cell based on the selected reference signal.

114. Each of the accused multi-level cell NAND Flash devices practice the limitations found in at least the foregoing claims, as well as the method of programming the multi-level memory cells of the accused multi-level cell NAND Flash devices, whether they are MLC or TLC NAND Flash devices.

CAUSE OF ACTION – WILLFUL INFRINGEMENT OF THE '571 PATENT

- 115. MLC incorporates by reference the foregoing paragraphs and re-alleges the facts and allegations of said paragraphs as though fully restated herein.
- 116. MLC owns all rights, title, and interest in the '571 Patent, including the right to recover damages for infringement of the '571 Patent throughout the period of infringement complained of herein.
- 117. MLC notified MTI of the '571 Patent and its infringement of the '571 Patent before the filing of this lawsuit, and at least as early as November 2006.
- 118. MTI has directly and indirectly (by and through their subsidiaries, affiliates, agents, and/or business partners) infringed, either literally or under the doctrine of equivalents, the '571 Patent, pursuant to 35 U.S.C. § 271(g) by practicing the methods claimed in the '571 Patent in the manufacture of New Micron Products within the United States.
- 119. MTI has directly and indirectly (by and through their subsidiaries, affiliates, agents, and/or business partners) infringed, either literally or under the doctrine of equivalents, the '571 Patent, pursuant to 35 U.S.C. § 271(a) by importing, using, selling, or offering to sell New Micron Products in the United States.
- 120. The MTI Subsidiaries have directly and indirectly (by and through its parent company, MTI, and through its agents, trade partners, affiliates and/or other subsidiaries of MTI) infringed, either literally or under the doctrine of equivalents, the '571 Patent, pursuant to 35 U.S.C. § 271(g) by practicing the methods claimed in the '571 Patent in the manufacture of multi-level cell NAND Flash⁵ memory devices within the United States.

⁵ As described above, 'MLC NAND Flash' and 'MLC x3 NAND Flash' are referred collectively herein as "MLC NAND Flash".

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121. The MTI Subsidiaries have directly and indirectly (by and through its parent company, MTI, and through its agents, trade partners, affiliates and/or other subsidiaries of MTI) infringed, either literally or under the doctrine of equivalents, the '571 Patent, pursuant to 35 U.S.C. § 271(a) by importing, using, selling, or offering to sell multi-level cell NAND Flash memory devices in the United States.

- MTI has also indirectly infringed the '571 Patent, pursuant to 35 U.S.C. § 271(b) 122. by actively inducing acts of direct infringement performed by others, including the MTI Subsidiaries. As explained above, MTI and the MTI Subsidiaries received actual notice of the '571 Patent as early as 2006, as well as on subsequent dates in 2007, 2011, and 2013. Furthermore, MTI and the MTI Defendants also received actual notice of the '571 Patent upon the service of the complaint filed on August 12, 2014, in the *Micron I* Action.
- 123. Upon gaining knowledge of the '571 Patent, it was, or became, apparent to MTI that the manufacture, sale, importation, offer for sale, and use of New Micron Products resulted in infringement of the '571 Patent. Upon information and belief, despite having knowledge of the '571 Patent or willful blindness thereto, MTI continued to engage in activities with the specific intent to encourage and/or induce the MTI Subsidiaries to infringe the '571 Patent by directing and controlling the design and manufacture of infringing products, including setting forth rigorous quality controls throughout the manufacturing, screening, and testing processes for the infringing product, as well as directing and controlling the marketing and sale of the infringing products.
- 124. In addition to MTI's direct infringement, MTI has also contributed to the direct infringement by the MTI Subsidiaries as well as customers of MTI and the MTI Subsidiaries. The MTI Defendants make and sell multi-level cell NAND Flash memory products in unpackaged forms (i.e., as "bare die") and packaged forms (e.g., memory modules, SSDs, multichip packages (MCPs), managed NAND, memory card and USB devices). As discussed above, while some multi-level cell NAND Flash memory products are integrated into enterprise and consumer products known to have been sold widely in the United States, the multi-level cell NAND Flash memory products made, offered for sale, and/or sold by the MTI Defendants are

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not staple articles of commerce suitable for any non-infringing use. Multi-level cell NAND Flash memory products do not have any substantial, non-infringing uses and are specifically designed to provide the benefits of multi-level cell NAND Flash memory technologies claimed by the '571 Patent.

- 125. The MTI Defendants make multi-level cell NAND Flash memory devices using methods claimed in the '571 Patent, which devices infringed when they were imported into, or sold, used, or offered for sale in, the United States.
- 126. The MTI Defendants have also indirectly infringed by inducing customers (such as makers of mobile devices, desktop computers, and other devices that use NAND Flash memory) to import products that integrate NAND Flash semiconductor devices made using the methods claimed in the '571 Patent, or to sell or use such products, or offer them for sale, in the United States. The MTI Defendants have encouraged customers, resellers, OEMs, or others to import into the United States and sell and use in the United States the multi-level cell NAND Flash memory devices made using the methods claimed in the '571 Patent with knowledge and the specific intent to cause the acts of direct infringement performed by these third parties.
- 127. The MTI Defendants have directly benefitted from and have actively and knowingly encouraged customers', resellers', and users' importation of these products into the United States and sell and use within the United States. The MTI Defendants have actively encouraged customers and downstream users, OEMs, and resellers to import, use, and sell in the United States the multi-level cell NAND Flash memory devices that they manufacture and supply, including through advertising, marketing, and sales activities directed at United States sales.
- 128. The MTI Defendants have also provided OEMs, manufacturers, importers, resellers, customers, and end users instructions, user guides, and technical specifications on how to incorporate the multi-level cell NAND Flash memory devices into electronic products that are made, used, sold, offered for sale in, and/or imported into the United States. The MTI Defendants routinely marketed their infringing NAND Flash memory products to third parties for inclusion in products that were sold to customers in the United States, as well as directly to

end user customers. The MTI Defendants' marketing efforts show that they have specifically intended to induce and have induced direct infringement in the United States.

- 129. The MTI Defendants' extensive sales and marketing efforts, sales volume, and partnerships all evidence their intent to have induced companies to infringe one or more claims of the '571 Patent by, using, offering to sell, selling, or importing products that incorporate the multi-level cell NAND Flash memory devices in the United States. The MTI Defendants have had specific intent to induce infringement or have been willfully blind to the direct infringement they are inducing.
- 130. The MTI Defendants' direct and indirect infringement of the '571 Patent has injured MLC, and MLC is entitled to recover damages adequate to compensate for such infringement pursuant to 35 U.S.C. § 284.
- 131. On information and belief, MTI and the MTI Defendants, acted egregiously and with willful misconduct in that their actions constituted direct and indirect infringement of a valid patent, and this was either known or so obvious that MTI and the MTI Defendants should have known such conduct were infringing the '571 Patent.
- 132. The MTI Defendants continued to infringe the '571 Patent by making, using, selling, offering for sale, and importing in the United States the multi-level cell NAND Flash memory devices and to induce and contribute to the direct infringement of others performing these acts for years, or they have acted at least in reckless disregard of MLC's patent rights.
- 133. On information and belief, the MTI Defendants continued their infringement notwithstanding actual knowledge of the '571 Patent, actual notice of its infringement since at least November 2006, prior negotiations during 2006-2007 to abate infringement through an offer to license, and without a good faith basis to believe that their activities did not infringe any valid claim of the '571 Patent. All infringement of the '571 Patent following MTI and the MTI Defendants' knowledge of the '571 Patent is willful and MLC is entitled to treble damages and attorneys' fees and costs incurred in this action under 35 U.S.C. §§ 284 and 285.

1	PRAYER FOR RELIEF			
2	WHEREFORE, MLC prays for relief as follows:			
3	1.	Judgment that Micron has infringed the '571 Patent as alleged herein;		
4	2.	Compensatory damages in an amount according to proof, and in no event less		
5	than a reasor	nable royalty;		
6	3.	Judgment that the damages so adjudged be trebled in accordance with 35 U.S.C. §		
7	284;			
8	4.	An award of reasonable attorneys' fees pursuant to 35 U.S.C. § 285 because		
9	this is an exceptional case;			
10	5.	Pre-suit damages awarded pursuant	t to 35 U.S.C. § 287;	
11	6.	Prejudgment interest on all damage	es awarded to MLC;	
12	7.	Post-judgment interest on all sums	awarded to MLC from the date of judgment;	
13	8.	Costs for suits incurred herein; and		
14	9.	Such other and further relief as the	Court may deem just and proper.	
15	JURY DEMAND			
16	MLC requests a trial by jury for all issues so triable.			
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19	Dated: Nove	ember 7, 2019	POLSINELLI, LLP	
20				
21		By:	/s/ Fabio E. Marino Fabio Marino	
22		·	Attorneys for Plaintiff	
23			MLC INTELLECTUAL PROPERTY, LLC	
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