	Case 8:23-cv-00035	Document 1	Filed 01/09/	23 Page 1 of 52	Page ID #:1		
1 2 3 4 5 6 7 8 9 10 11 12 13	Case 8:23-cv-00035 RUSS, AUGUST Brian D. Ledahl, S <u>bledahl@raklaw.c</u> Paul A. Kroeger, <u>pkroeger@raklaw</u> 12424 Wilshire B Twelfth Floor Los Angeles, Cali Telephone: (310) Facsimile: (310) & Attorneys for Plai LONGITUDE LIG LONGITUDE LIG	& KABAT SBN 186579 SBN 229074 c.com oulevard fornia 90025 826-7474 826-6991 ntiff CENSING LI UNITEI CENSING LI LICENSING I Plaintiff,	MITED) STATES I L DISTRIC LIMITED,	DISTRICT COU CT OF CALIFO Case No. COMPLAIN INFRINGEN	URT RNIA T FOR PATENT		
13	Defendants.						
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	COMPLAINT						

1. Plaintiff Longitude Licensing Limited ("Longitude" or "Plaintiff") for its Complaint against Defendants Lenovo Group Limited ("Lenovo Ltd.") and Lenovo (United States), Inc. ("Lenovo U.S.") (Lenovo Ltd. and Lenovo U.S. are collectively referred to as "Lenovo" or "Defendants"), hereby alleges as follows:

PARTIES

2. Longitude is an entity formed under the laws of Ireland with its principal place of business at Plaza 255 Suite 2A, Blanchardstown Corporate Park 2, Dublin D15 YH6H, Ireland.

3. On information and belief, Defendant Lenovo Group Limited is a publicly owned company organized under the laws of China, with its principal place of business at 23rd Fl., Lincoln House Taikoo Place, 979 King's Road, Quarry Bay, Hong Kong. Lenovo Ltd. does substantial business on an ongoing basis in the United States, including in this State and in this District. On information and belief, Lenovo Ltd. causes and controls the sale, offer for sale, and distribution of its products in the State of California and in this District.

4. On information and belief, Defendant Lenovo (United States), Inc is a
Delaware corporation with its principal place of business at 8001 Development Dr.,
Morrisville, North Carolina, 27560. Lenovo U.S. is a wholly owned subsidiary of
Lenovo Ltd., and imports the accused products into the United States for Lenovo
Ltd.

NATURE OF THE ACTION

5. This is a civil action for the infringement of United States Patent Nos.
7,697,369 (the "369 patent"), 9,379,233 (the "233 patent"), and RE43,539 the
"539 Patent) (collectively, the "Patents-in-Suit") under the patent laws of the United
States, 35 U.S.C. § 1, et seq.

26 6. This action involves Defendants' manufacture, use, sale, offer for sale, and/or
27 importation into the United States of infringing products, methods, processes,

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services and systems that incorporate certain memory chips and components that infringe one or more of the claims of the Patents-in-Suit.

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JURISDICTION AND VENUE

7. This Court has original jurisdiction over the subject matter of this Complaint under 28 U.S.C. §§ 1331 and 1338(a) because this action arises under the patent laws of the United States, including 35 U.S.C. §§ 271, et seq.

8. Defendants are subject to personal jurisdiction in this judicial district because Defendants regularly transact business in this judicial district by, among other things, offering Defendants' products and services to customers, business affiliates and partners located in this judicial district. In addition, Defendants have committed acts of direct infringement of one or more of the claims of one or more of the Patentsin-Suit in this judicial district.

9. Venue in this district is proper under 28 U.S.C. §§ 1400(b) and 1391(b) 13 and (c), because Defendants are subject to personal jurisdiction in this district and 14 have committed acts of infringement in this district. Lenovo U.S. has a regular and 15 16 established place of business in this District. Specifically, Lenovo U.S. has job postings recruiting employees to work in Los Angeles. Additionally, LinkedIn 17 profiles of several Lenovo employees indicated that they reside in this District. 18 Lenovo Ltd. is a foreign corporation organized under the laws of China, with a 19 principal place of business in Hong Kong. Accordingly, venue is proper in this 20 21 District over Lenovo Ltd.

FACTUAL BACKGROUND

10.Longitude operates in one of the most dynamic segments of the international
knowledge-based economy. Longitude operates by partnering with patent owners to
prosecute and license patent portfolios. The company has also formed customized
arrangements that combine exclusive licensing rights and ownership positions, and
it also has acquired patents outright from other global patent owners. Longitude has
the licensing rights to portfolios totaling nearly 4,000 semiconductor and computer

COMPLAINT

memory patents and patent applications originally filed by well-known technology companies.

11.Longitude is the owner by assignment of the patents-in-suit.

12.Longitude has licensed the patents-in-suit to a majority of the worldwide memory industry responsible for solid state memory devices used in products sold in the United States, including SK Hynix, Kingston, Winbond, Micron, Samsung Electronics and Kioxia (formerly the memory division of Toshiba).

13.One major player in the industry that has refused to license the Patent-in-Suit is Western Digital Corporation ("Western Digital"). Western Digital is a computer hard disk drive manufacturer and data storage company. Western Digital designs, manufactures, and sells data technology products, including storage devices, data center systems, and cloud storage services. Longitude is informed and believes that Western Digital acquired SanDisk in 2016.

14 14. Since February 2018, Longitude has requested that Western Digital negotiate licenses for patents (including the Patents-in-Suit) that it is infringing, but Western 15 16 Digital has refused to negotiate, claiming that Longitude may not assert its licensing rights as a result of covenants in two contracts between Western Digital and third 17 parties that have never owned any of the patents-in-suit. Those contracts do not 18 apply to Longitude, but Western Digital nonetheless contended that it could only be 19 sued after every other market participant (apparently including Western Digital's 20 21 customers) was sued.

15.Longitude initiated an arbitration claim against Western Digital for
declaratory relief concerning Western Digital's interpretation of the agreements.
Western Digital objected to the jurisdiction of the arbitration tribunal to avoid any
consideration of the merits of contract arguments.

16.After the arbitration against Western Digital was dismissed on jurisdictional
grounds, Longitude gave notice to Defendants that they were infringing the patentsin-suit by letter dated September 6, 2022. This letter included a table that identified

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1	a number of products that were believed to infringe the patents. Among other things,					
2	the letter stated:					
3	A number of Lenovo products incorporate and use features and functionality covered by Longitude patents including for example					
4	functionality covered by Longitude patents, including, for example, the patents and exemplary products identified in the attached table ("Table 1") In reviewing the Table, you will note that the infringing					
5	("Table 1"). In reviewing the Table, you will note that the infringing products contain devices manufactured by Western Digital Corporation ("Western Digital"). While our normal approach is to engage with, and license, suppliers such as Western Digital rather than there exists and because the products are appeared to engage method.					
6	engage with, and license, suppliers such as Western Digital rather than their customers. Western Digital has refused to engage in any					
7	their customers, Western Digital has refused to engage in any licensing discussions. Consequently, we are contacting Western Digital customers who are selling products that infringe Longitude					
8	patents.					
9	17.Defendants did not take a license following receipt of this letter and continued					
10	to infringe as stated in the letter. As of the filing of this Complain, Defendants have					
11	not responded in any manner to Longitude.					
12	18.Among the other products referenced in the letter was the Lenovo IdeaPad 3					
13	computer as well as numerous other Lenovo computers, laptops, and tablets having					
14	Western Digital SSDs.					
15	THE PATENTS-IN-SUIT					
16	19.Longitude is the owner by assignment of the Patents-in-Suit. Longitude owns					
17	all rights to the Patents-in-Suit, including the right to enforce the Patents-in-Suit.					
18	20.All maintenance fees for the Patents-in-Suit have been timely paid, and there					
19	are no fees currently due.					
20	21.United States Patent No. 7,697,369, entitled "System with Controller and					
21	Memory," issued on April 13, 2010 from United States Patent Application No.					
22	11/759,862 filed on June 7, 2007.					
23	22.United States Patent No. RE43,539, entitled "Output Buffer Circuit and					
24	Integrated Semiconductor Circuit Device With Such Output Buffer Circuit," issued					
25	on July 24, 2012 from United States Patent Application No. 11/798,773 filed on May					
26	16, 2007. The '539 Patent is a re-issue of U.S. Patent No. 6,894,547, which issued					
27	on May 17, 2005 from United States Patent Application No. 10/320,059 filed					
28	December 16, 2002.					
	4					
	COMPLAINT					

23.United States Patent No. 9,379,233, entitled "Semiconductor Device," issued on June 28, 2016 from United States Patent Application No. 14/872,844 filed October 1, 2015.

COUNT I

(DEFENDANTS' INFRINGEMENT OF THE '369 PATENT)

24.Paragraphs 1 through 23 are incorporated by reference as if fully restated herein.

25.United States Patent No. 7,697,369, entitled "System with Controller and Memory," issued on April 13, 2010 from United States Patent Application No. 11/759,862 filed on June 7, 2007.

26.Longitude is the owner of the '369 patent with full rights to pursue recovery of royalties for damages for infringement, including full rights to recover past and future damages.

27.Each claim of the '369 patent is valid, enforceable, and patent-eligible.

28.Longitude and its predecessors in interest have satisfied the requirements of 35 U.S.C. § 287(a) with respect to the '369 patent, and Longitude is entitled to damages for Defendants' past infringement. Among other things, Longitude provided actual notice of infringement to the component supplier, Western Digital.

29.Defendants have directly infringed (literally and equivalently) and induced 19 others to infringe the '369 patent by making, using, selling, offering for sale, or 20 21 importing products that infringe the claims of the '369 patent and by inducing others 22 to infringe the claims of the '369 patent without a license or permission from Longitude. These products include without limitation all Lenovo IdeaPad 3 23 computers (e.g., model 81X800L0CF), all other Lenovo computers, laptops, and 24 25 tablets having Western Digital PC SN530 NVMe SSDs, Western Digital SSDs, 26 and/or Western Digital NAND memory chips and all versions and variations of them offered for sale since the issuance of the '369 patent. 27

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30.A non-limiting example of Defendants' infringement is the Lenovo IdeaPad 3 computer which infringes at least claim 1 of the '369 patent. Exemplary photographs of the Lenovo IdeaPad 3 computer, and its packaging are set forth below:



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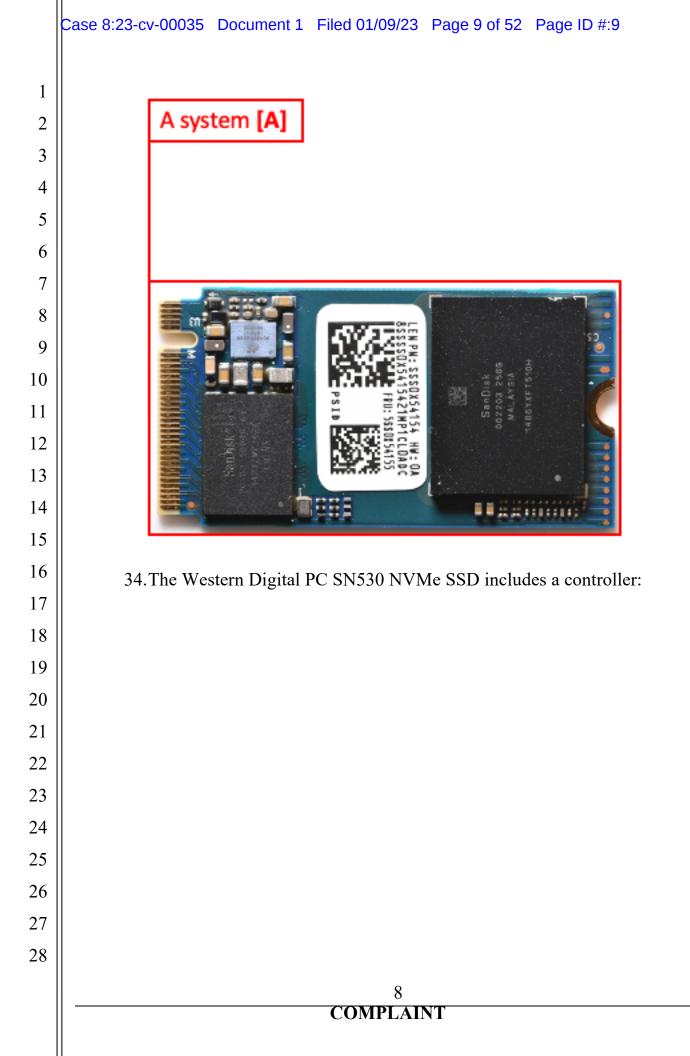
31.The Lenovo IdeaPad 3 computer includes the Western Digital PC SN530 NVMe SSD as shown below:

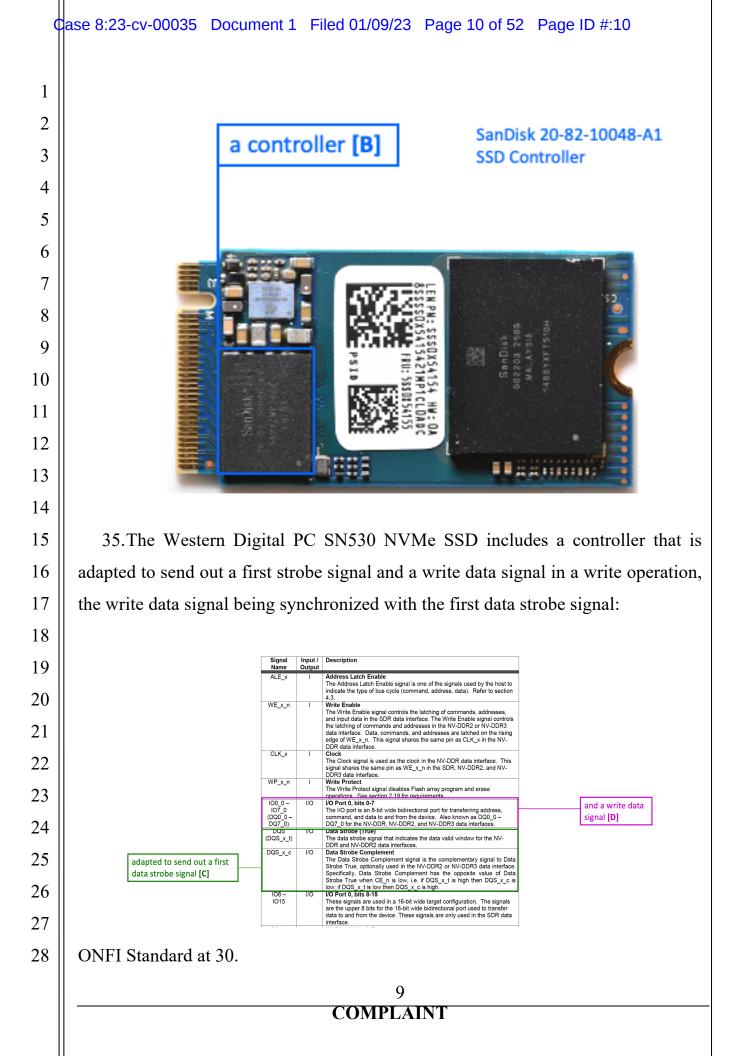


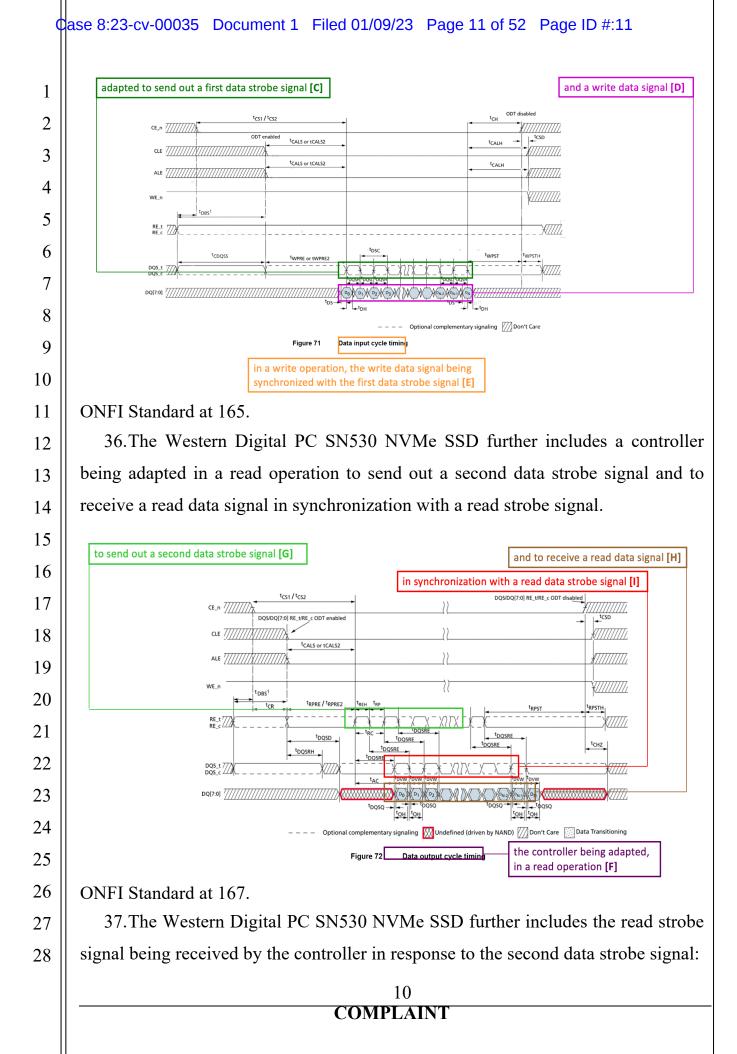
Revision 4.0 dated April 2, 2014 (ONFI Standard).

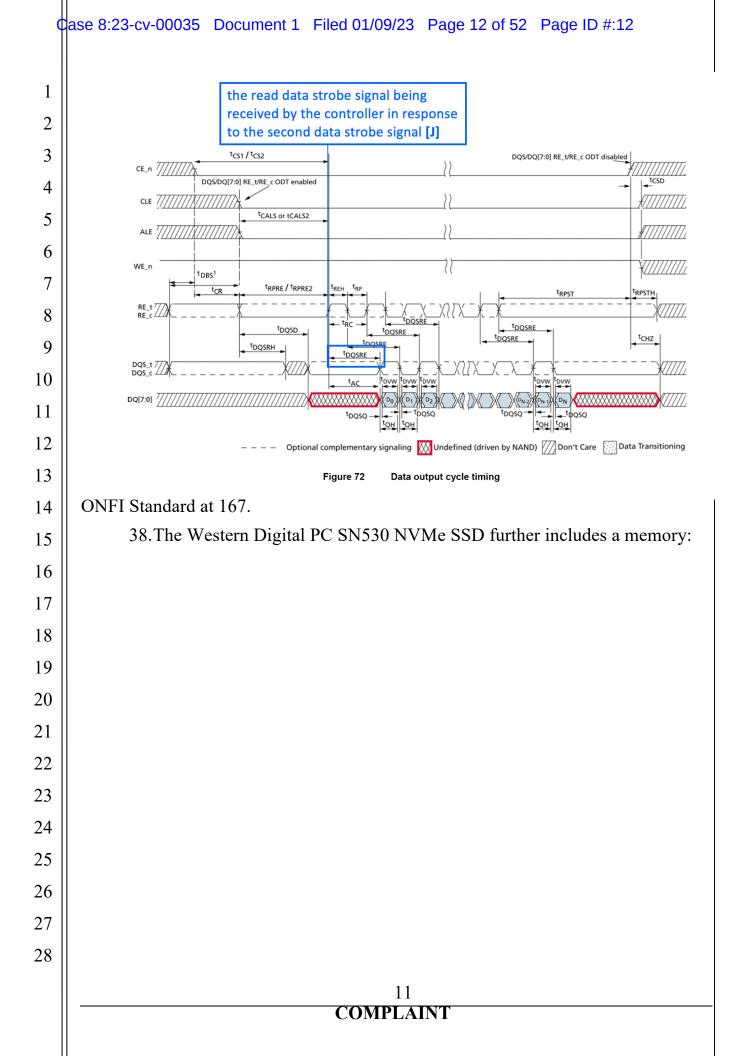
33. The Western Digital PC SN530 NVMe SSD is a system:

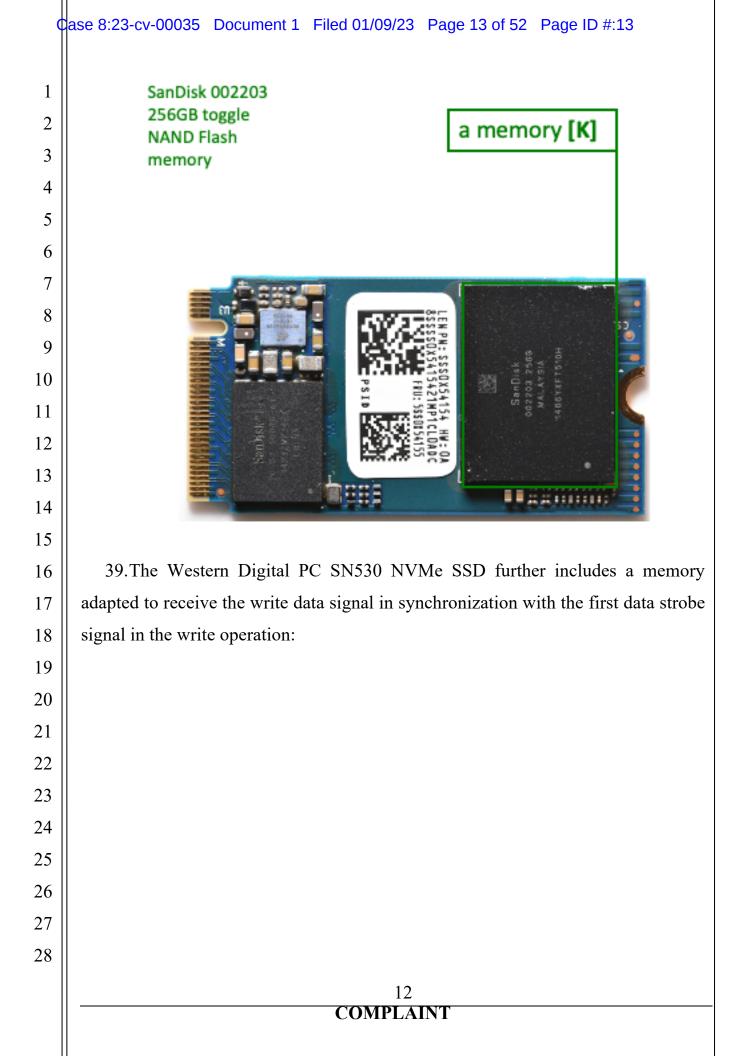
COMPLAINT

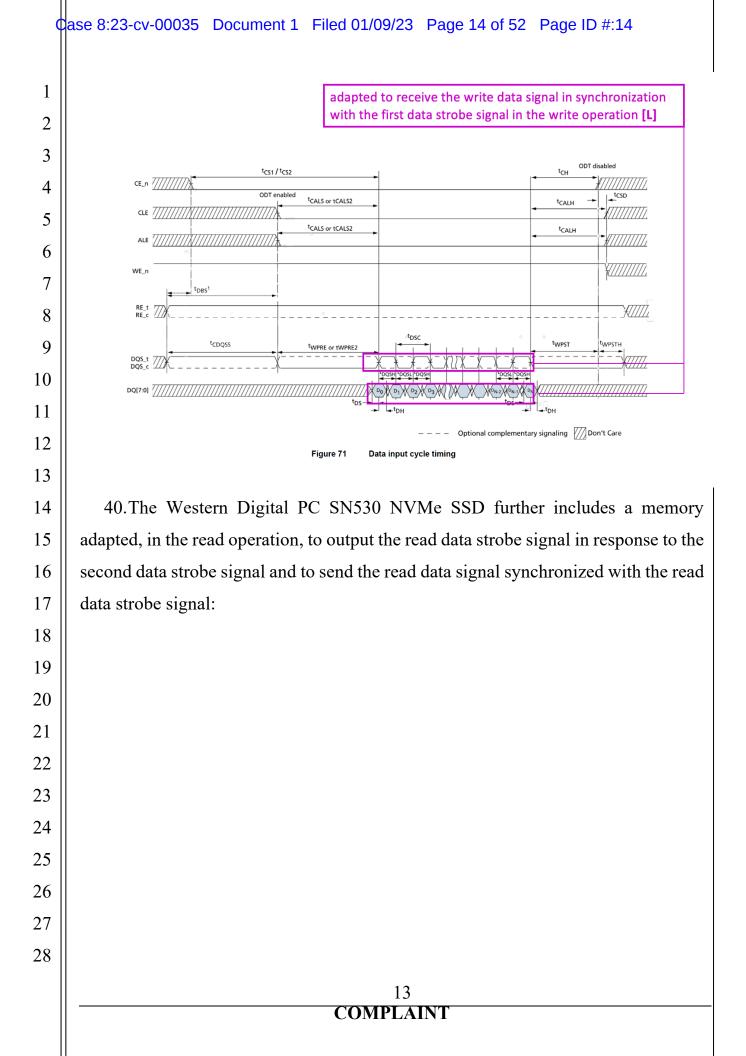


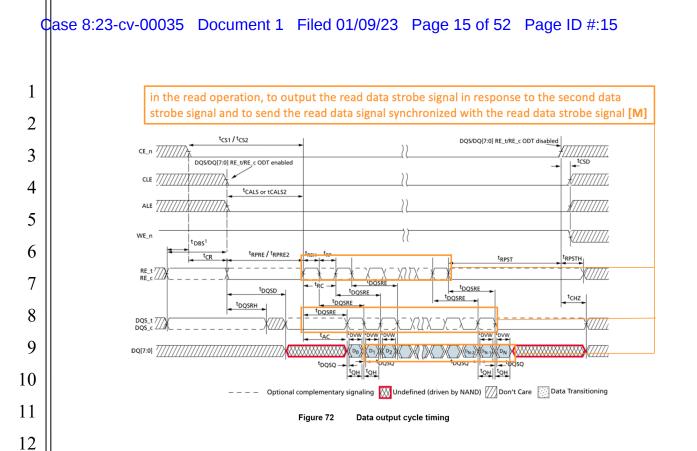












41.Defendants actively, knowingly, and intentionally induce, and continue to actively, knowingly, and intentionally induce, infringement of the '369 patent under 35 U.S.C. §271(b) by their customers and end users.

42.Defendants have had knowledge of and notice of the '369 patent and their infringement since at least September 6, 2022 when Longitude gave Defendants notice of their infringing actions. In any event, Defendants have had knowledge and 19 notice of the '369 patent since at least the filing of this complaint.

20 43. Defendants have induced their customers and end users to infringe the '369 21 patent by using their products as shown above. For example, Defendants encourage 22 their customers and end users to perform infringing methods by the very nature of 23 the products.

44.Defendants specifically intend their customers and/or end users infringe the 24 25 '369 patent, either literally or by the doctrine of equivalents, because Defendants 26 have known about the '369 patent and how Defendants' products infringe the claims 27 of the '369 patent but Defendants have not taken steps to prevent infringement by 28

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their customers and/or end users. Accordingly, Defendants have acted with the specific intent to induce infringement of the '369 patent.

45.Accordingly, Defendants have induced, and continue to induce, infringement of the '369 patent under 35 U.S.C. §271(b).

46.As discussed above, Defendants have had knowledge of and notice of the '369 patent and its infringement since at least September 6, 2022. Despite this knowledge, Defendants continue to commit tortious conduct by way of patent infringement.

9 47.Defendants have been and continue to infringe one or more of the claims of
10 the '369 patent through the aforesaid acts.

48.Defendants have committed these acts of infringement without license or authorization.

49.Plaintiff is entitled to recover damages adequate to compensate for the infringement.

50.Defendants have and continue to infringe the '369 patent, acting with an
objectively high likelihood that their actions constitute infringement of the '369
patent. Defendants have known or should have known of this risk at least as early
as September 6, 2022. Accordingly, Defendants' infringement of the '369 patent has
been and continues to be willful.

COUNT II

(DEFENDANTS' INFRINGEMENT OF THE '539 PATENT)

51.Paragraphs 1 through 50 are incorporated by reference as if fully restated herein.

52. United States Patent No. RE43,539, entitled "Output Buffer Circuit and
Integrated Semiconductor Circuit Device With Such Output Buffer Circuit," issued
on July 24, 2012 from United States Patent Application No. 11/798,773 filed on May
16, 2007. The '539 Patent is a re-issue of U.S. Patent No. 6,894,547, which issued

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on May 17, 2005 from United States Patent Application No. 10/320,059 filed December 16, 2002. 2

53.Longitude is the owner of the '539 patent with full rights to pursue recovery of royalties for damages for infringement, including full rights to recover past and future damages.

54. Each claim of the '539 patent is valid, enforceable, and patent-eligible.

55.Longitude and its predecessors in interest have satisfied the requirements of 35 U.S.C. § 287(a) with respect to the '539 patent, and Longitude is entitled to damages for Defendants' past infringement. Among other things, Longitude provided actual notice of infringement to the component supplier, Western Digital.

56.Defendants have directly infringed (literally and equivalently) and induced others to infringe the '539 patent by making, using, selling, offering for sale, or importing products that infringe the claims of the '539 patent and by inducing others to infringe the claims of the '539 patent without a license or permission from Longitude. These products include without limitation all Lenovo IdeaPad 3 computers (e.g., model 81X800L0CF), all other Lenovo computers, laptops, and tablets having Western Digital PC SN530 NVMe SSDs, Western Digital SSDs, and/or Western Digital NAND memory chips and all versions and variations of them offered for sale since the issuance of the '369 patent.

57.A non-limiting example of Defendants' infringement is the Lenovo IdeaPad 3 computer which infringes at least claim 1 of the '539 patent. Exemplary photographs of the Lenovo IdeaPad 3, and its packaging are set forth below:

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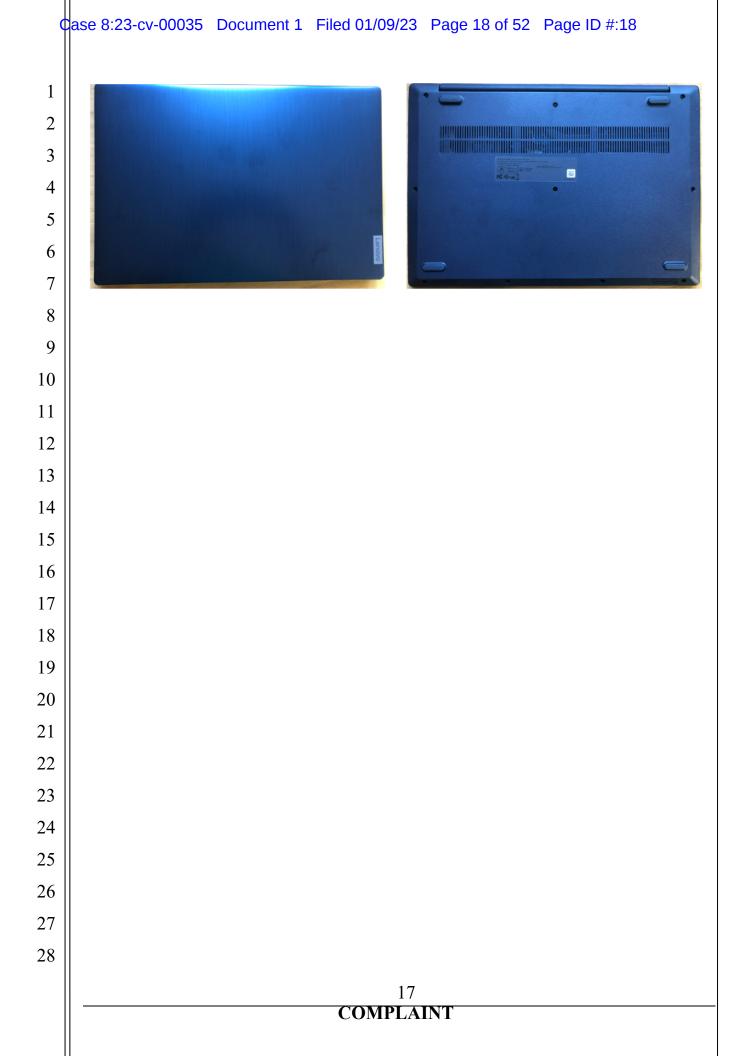
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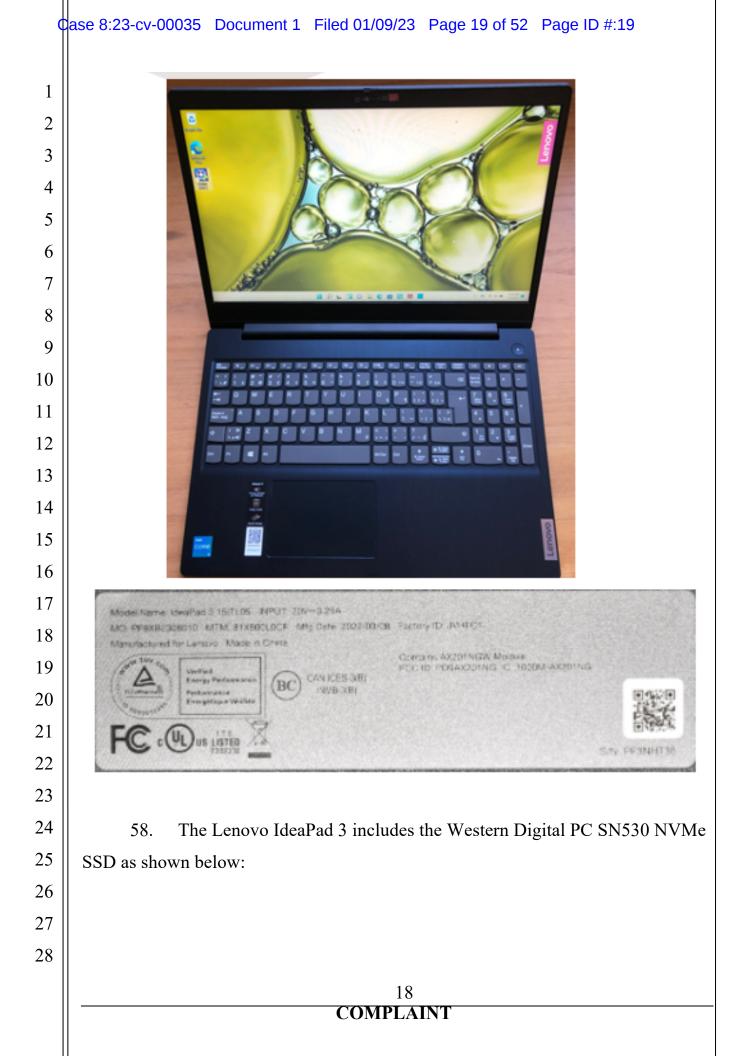
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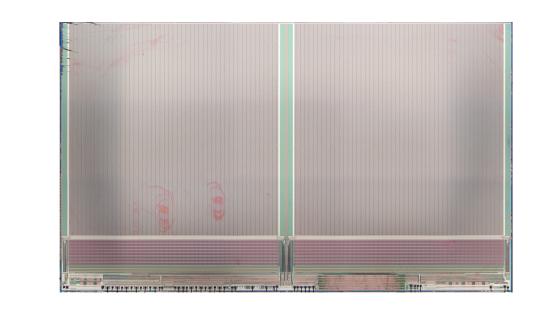


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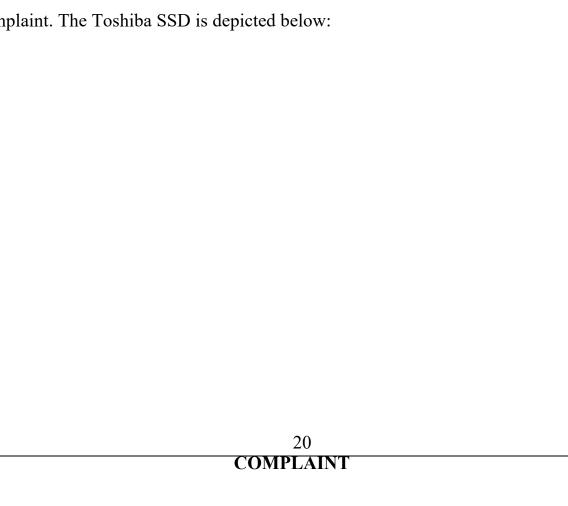


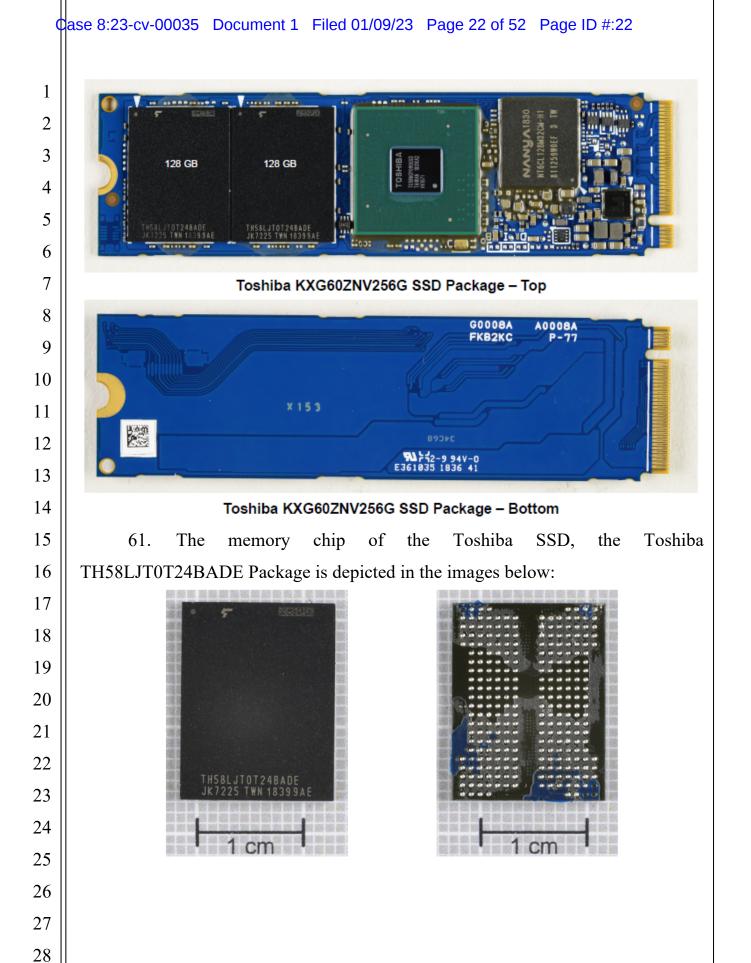


59. The below image shows the pin layout and corners of the SanDisk memory chip used in the Western Digital PC SN530 NVMe SSD:

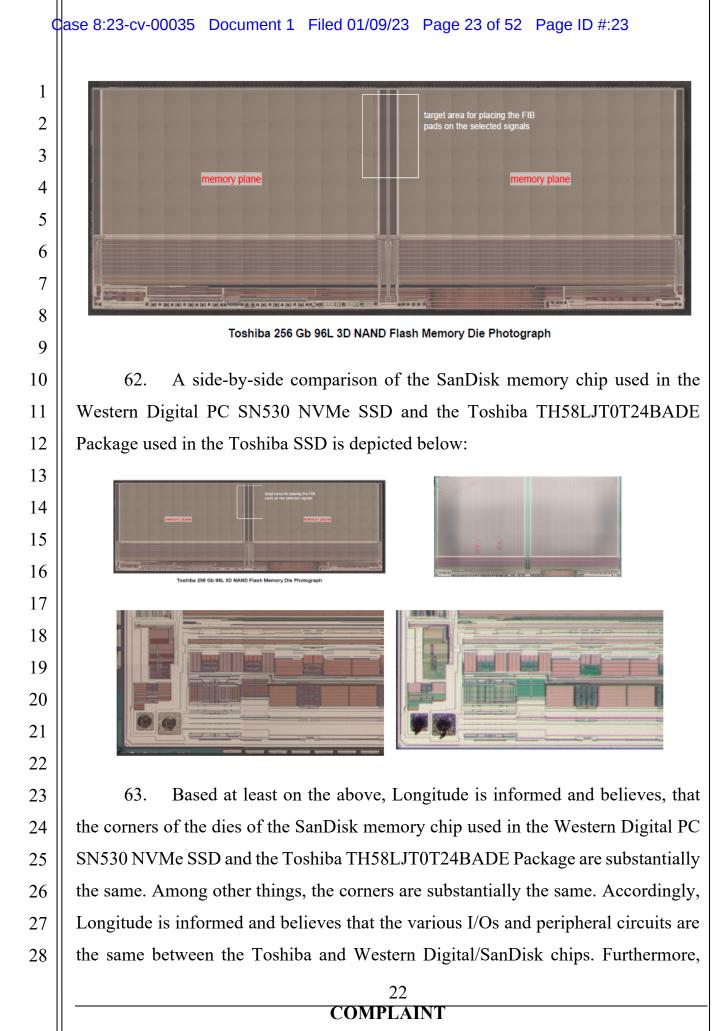


60. On information and belief, the Western Digital PC SN530 NVMe SSD used in the Lenovo IdeaPad 3 computer is substantially similar to the Toshiba KXG60ZNV256G SSD Package ("Toshiba SSD") for all matters relevant to this complaint. The Toshiba SSD is depicted below:



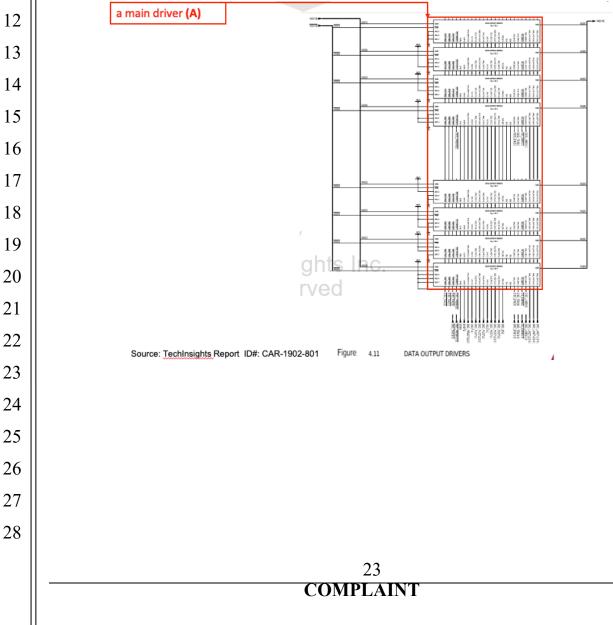


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Longitude is informed and believes that Toshiba and Western Digital shared the designs for 96 layer chips. Accordingly, the SanDisk memory chip is substantially the same as the Western Digital PC SN530 NVMe SSD and the Toshiba TH58LJT0T24BADE Package. For this reason, Longitude is informed and believes 4 and other analysis concerning that technical documents the Toshiba TH58LJT0T24BADE Package also describe the layout and functionality of the 6 Western Digital PC SN530 NVMe SSD.

The Western Digital PC SN530 NVMe SSD used in the Lenovo 64. IdeaPad 3 computer includes an output buffer circuit for outputting data in the form of an input pulse train at a predetermined output impedance and slew rate comprising a main driver:



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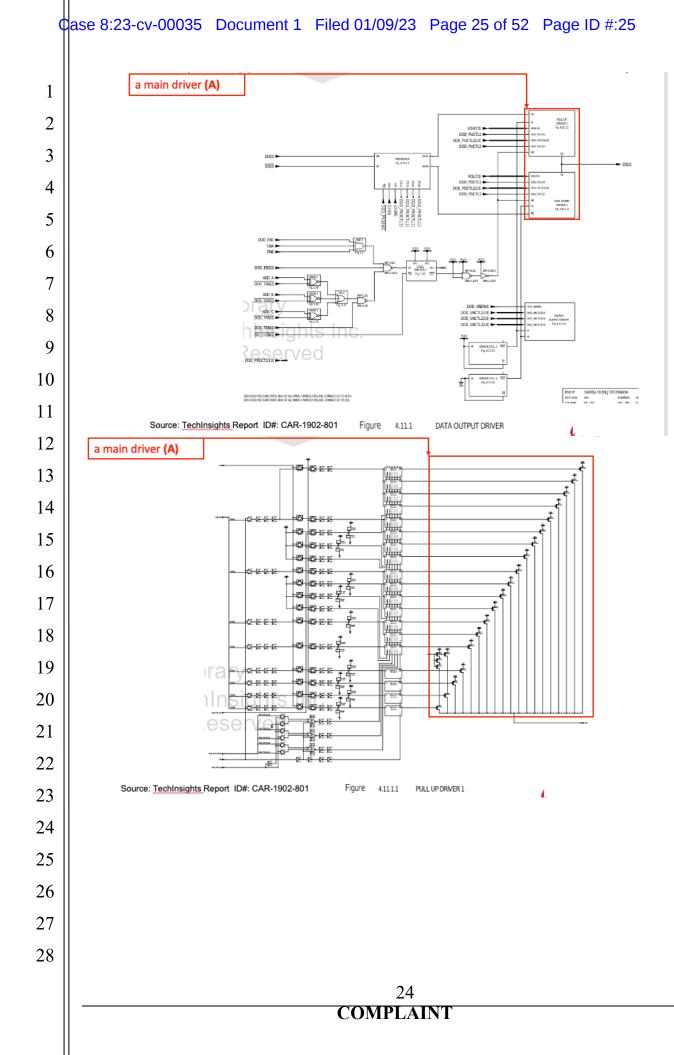
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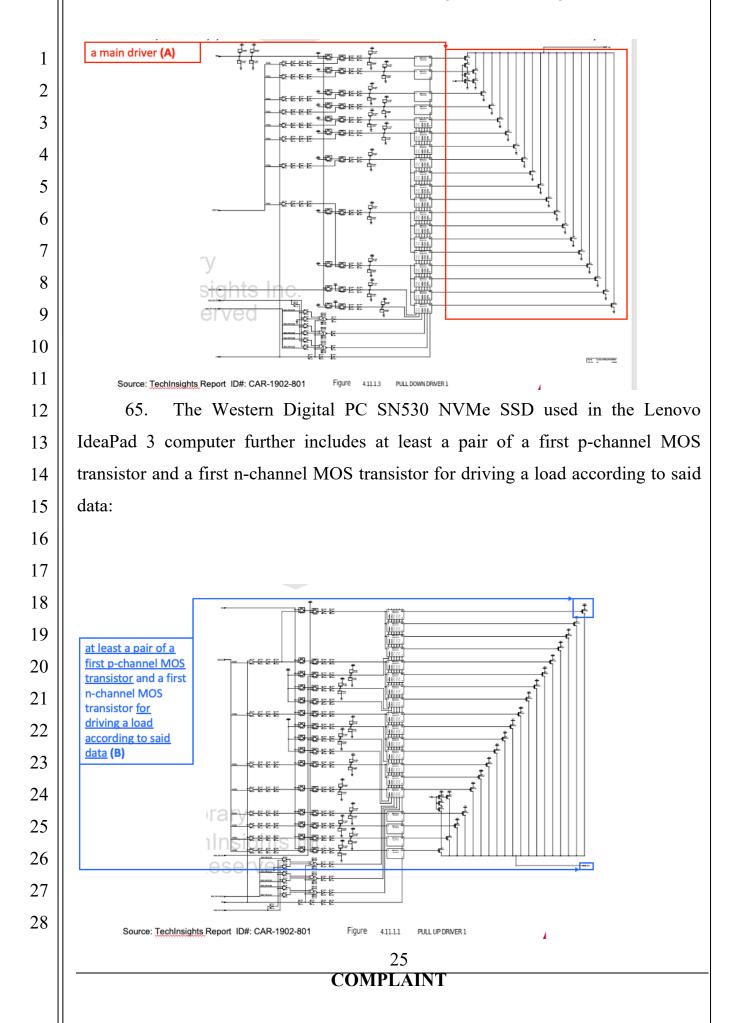
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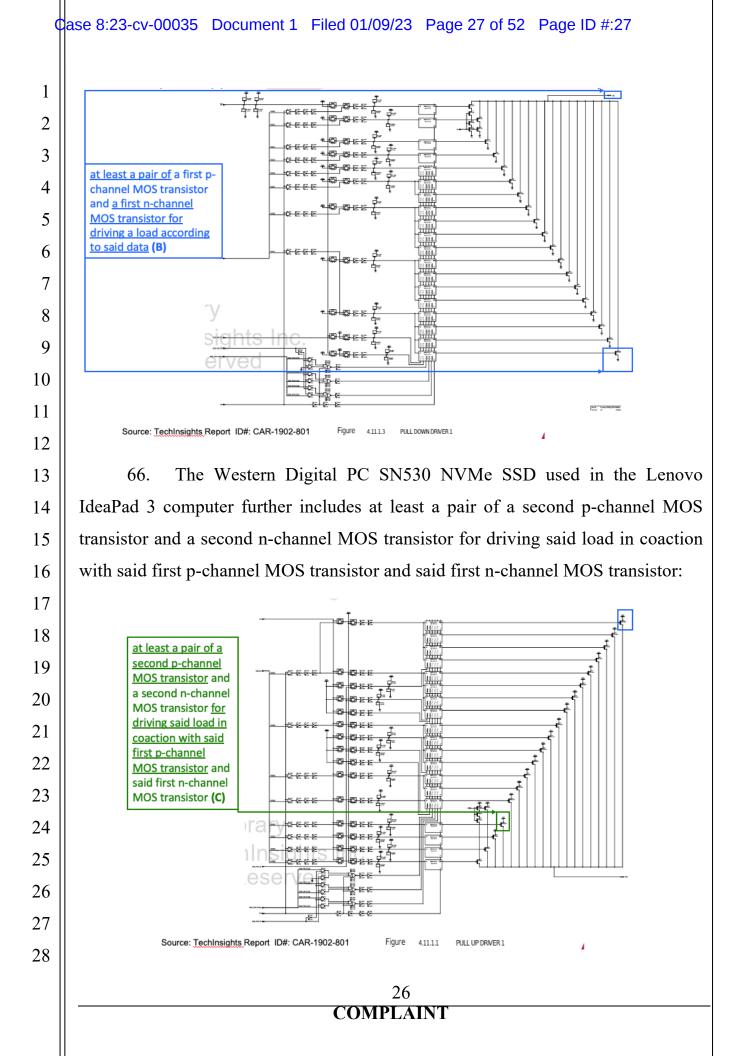
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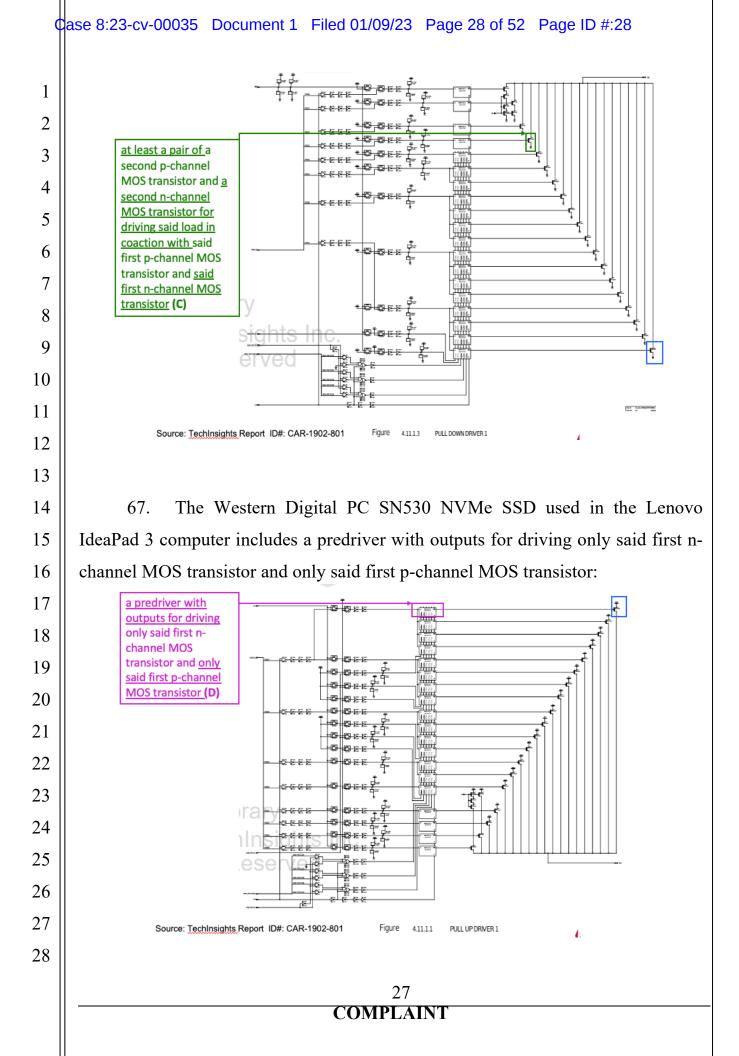
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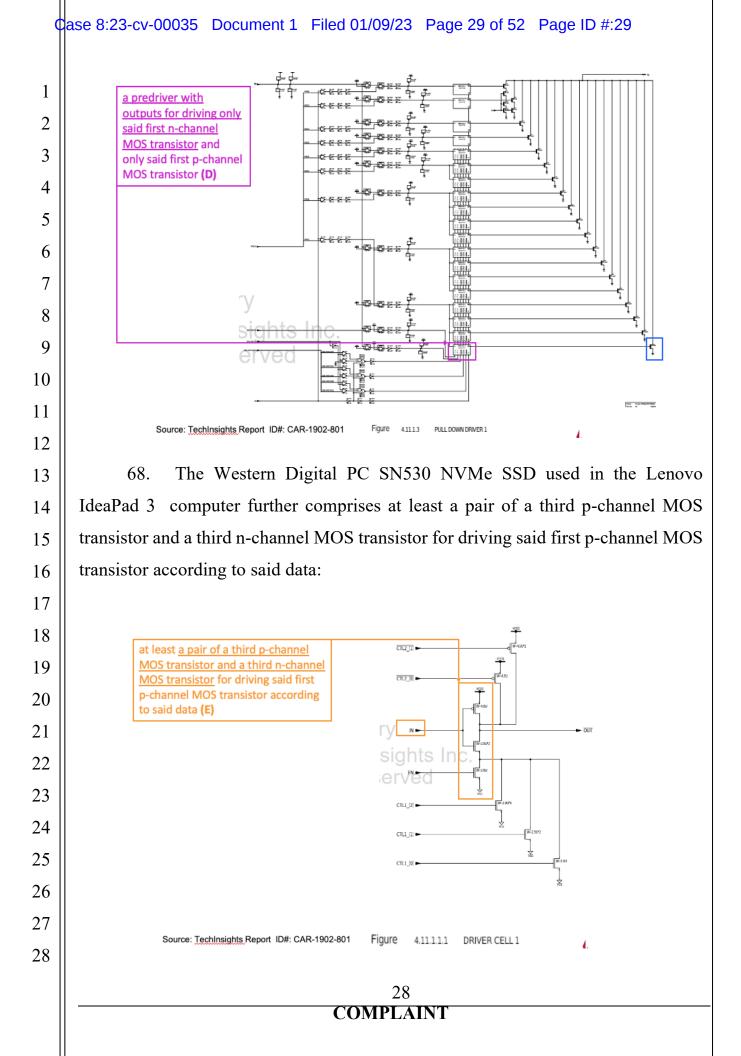


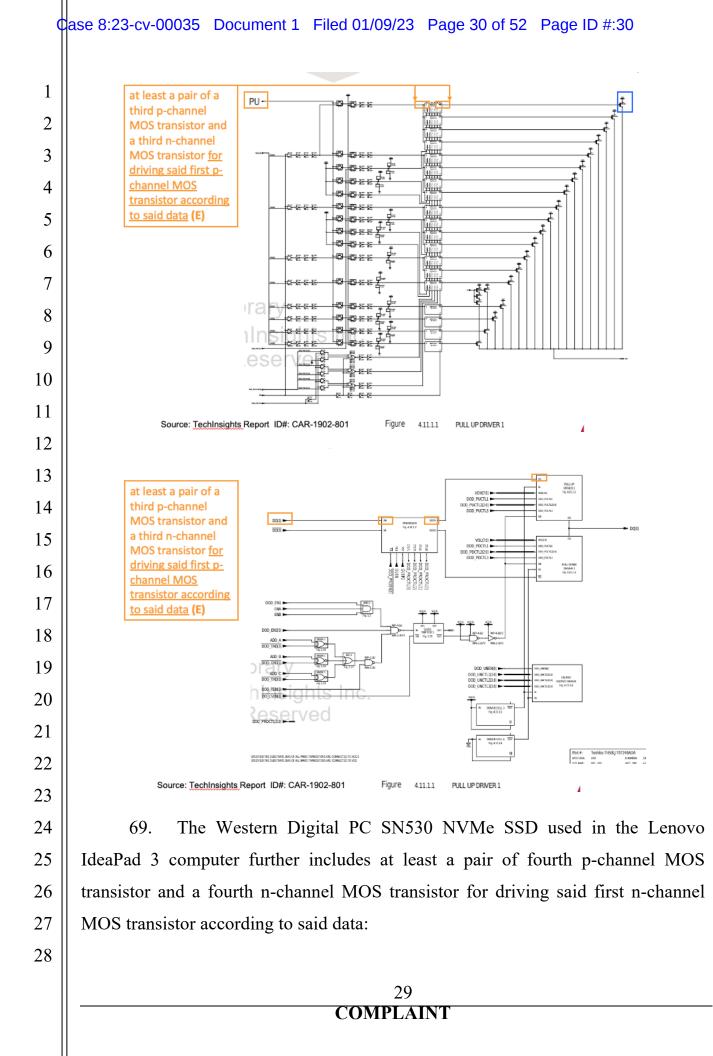
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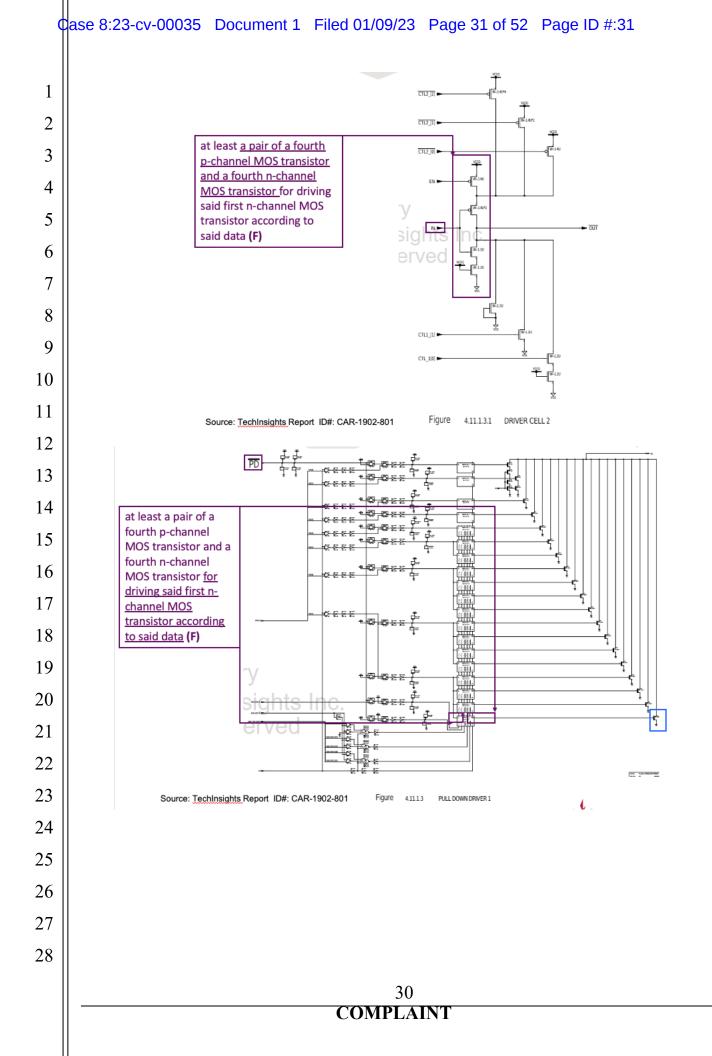


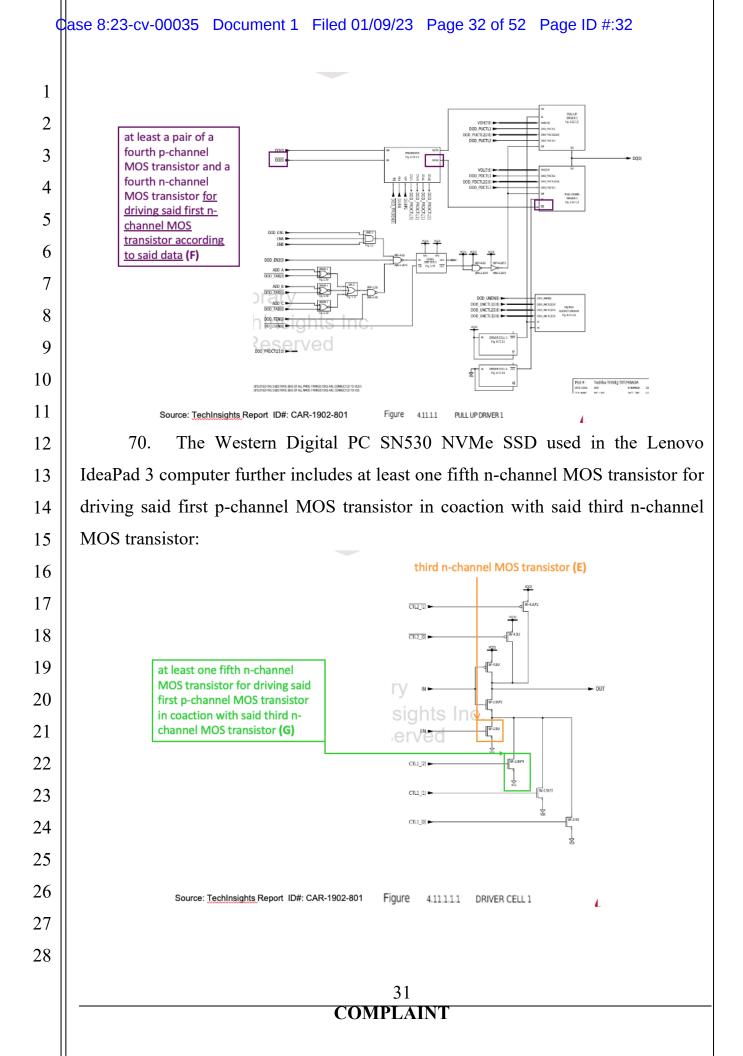


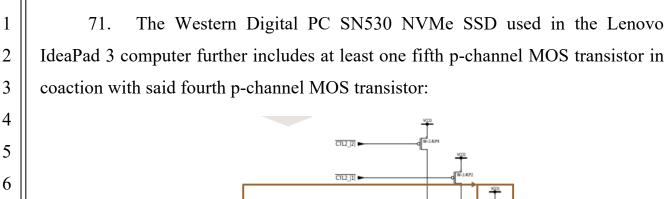


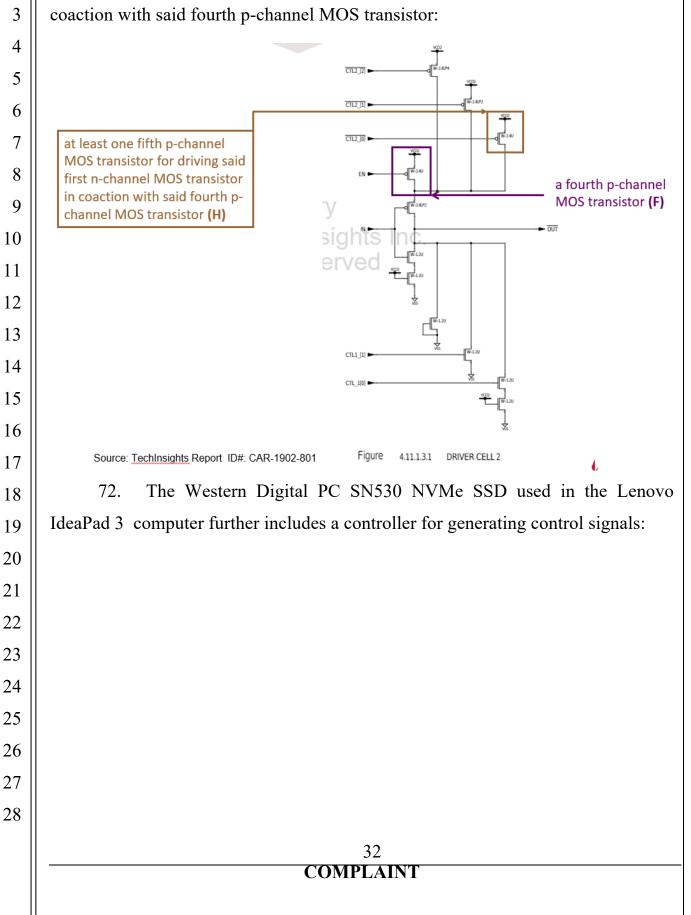


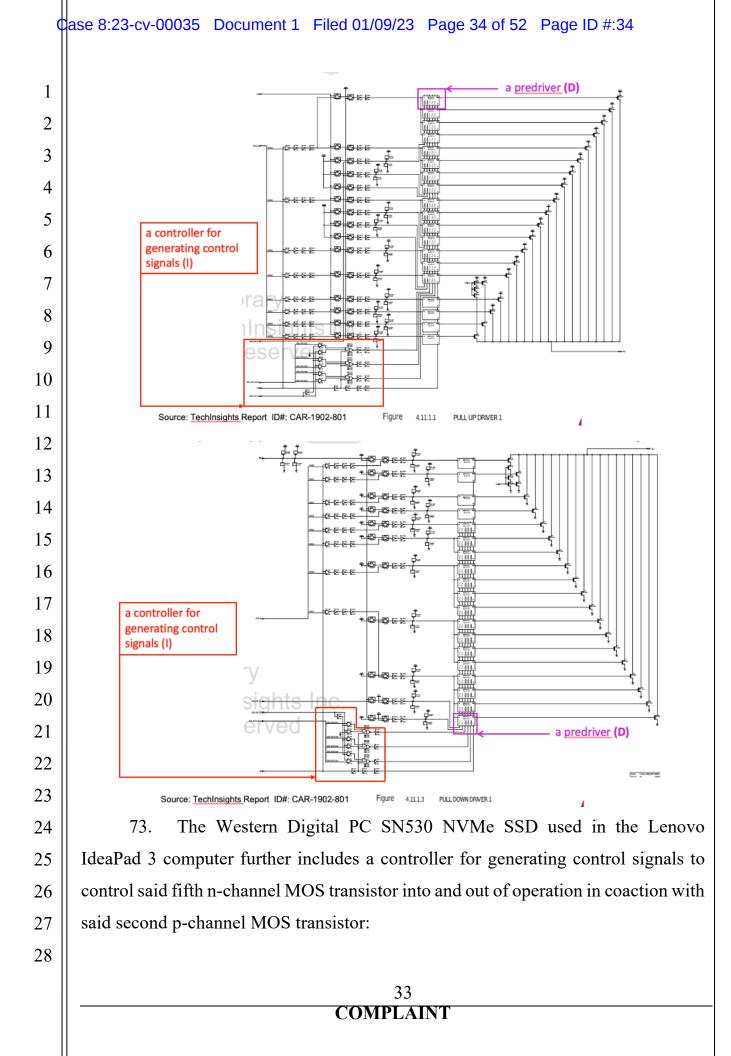


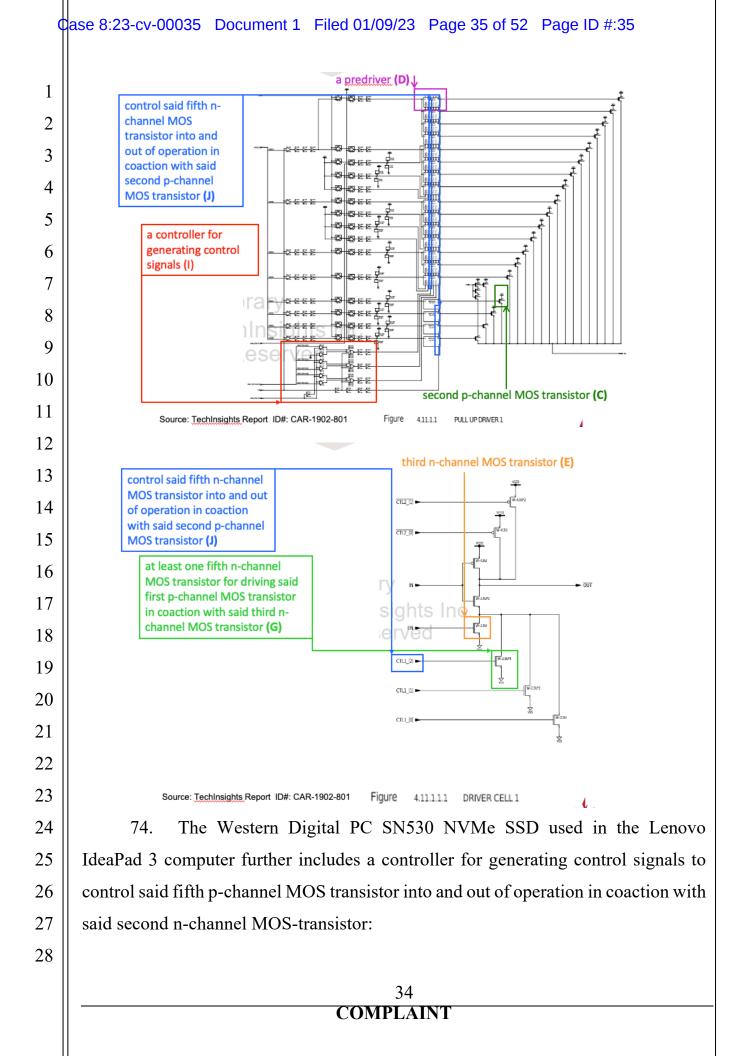


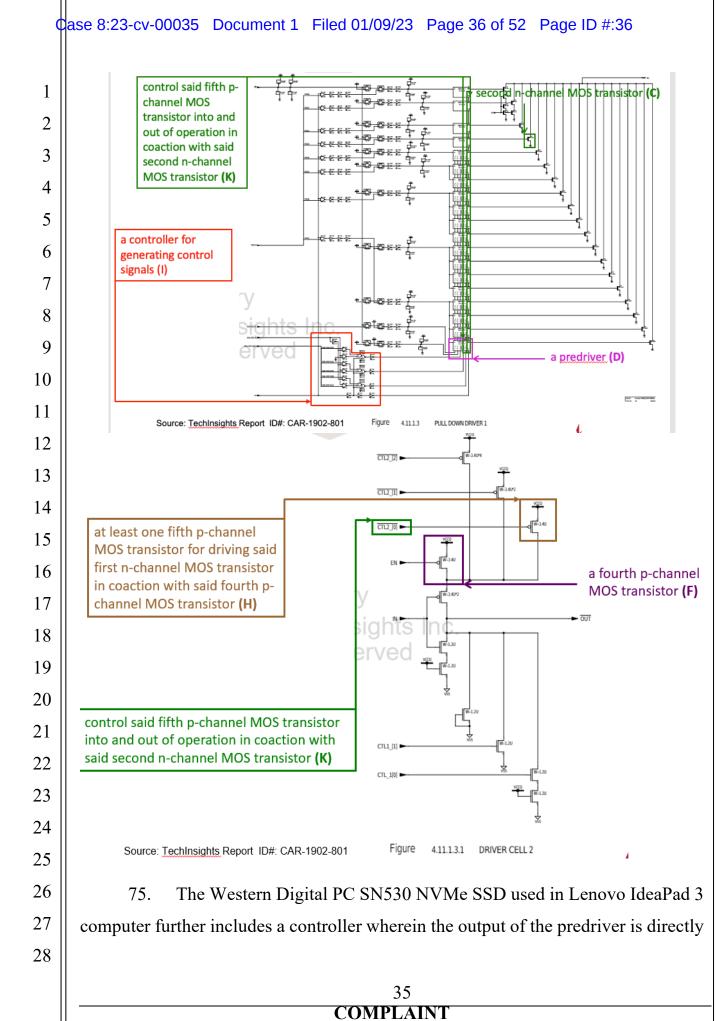




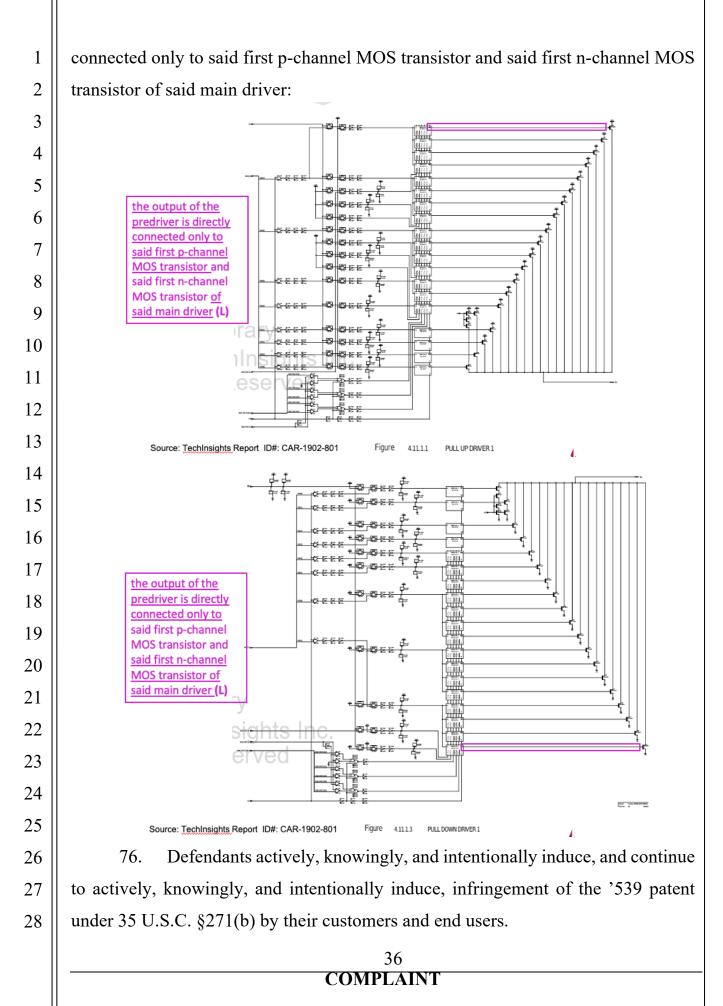












77.Defendants have had knowledge of and notice of the '539 patent and their infringement since at least September 6, 2022 when Longitude gave Defendants notice of their infringing actions. In any event, Defendants have had knowledge and notice of the '539 patent since at least the filing of this complaint.

78.Defendants have induced their customers and end users to infringe the '539 patent by using their products as shown above. For example, Defendants encourage their customers and end users to perform infringing methods by the very nature of the products.

79.Defendants specifically intend their customers and/or end users infringe the '539 patent, either literally or by the doctrine of equivalents, because Defendants have known about the '539 patent and how Defendants' products infringe the claims of the '539 patent but Defendants have not taken steps to prevent infringement by their customers and/or end users. Accordingly, Defendants have acted with the specific intent to induce infringement of the '369 patent.

80.Accordingly, Defendants have induced, and continue to induce, infringement of the '539 patent under 35 U.S.C. §271(b).

17 81.As discussed above, Defendants have had knowledge of and notice of the '539
18 patent and its infringement since at least September 6, 2022. Despite this
19 knowledge, Defendants continue to commit tortious conduct by way of patent
20 infringement.

82.Defendants have been and continue to infringe one or more of the claims of
the '539 patent through the aforesaid acts.

23 83.Defendants have committed these acts of infringement without license or24 authorization.

84.Plaintiff is entitled to recover damages adequate to compensate for theinfringement.

85.Defendants have and continue to infringe the '539 patent, acting with an
objectively high likelihood that their actions constitute infringement of the '539

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patent. Defendants have known or should have known of this risk at least as early as September 6, 2022. Accordingly, Defendants' infringement of the '539 patent has been and continues to be willful.

COUNT III

(DEFENDANTS' INFRINGEMENT OF THE '233 PATENT)

86.Paragraphs 1 through 85 are incorporated by reference as if fully restated herein.

87.United States Patent No. 9,379,233, entitled "Semiconductor Device," issued on June 28, 2016 from United States Patent Application No. 14/872,844 filed October 1, 2015.

88.Longitude is the owner of the '233 patent with full rights to pursue recovery of royalties for damages for infringement, including full rights to recover past and future damages.

89.Each claim of the '233 patent is valid, enforceable, and patent-eligible.

90.Longitude and its predecessors in interest have satisfied the requirements of 35 U.S.C. § 287(a) with respect to the '233 patent, and Longitude is entitled to damages for Defendants' past infringement. Among other things, Longitude provided actual notice of infringement to the component supplier, Western Digital.

91.Defendants have directly infringed (literally and equivalently) and induced 19 others to infringe the '233 patent by making, using, selling, offering for sale, or 20 21 importing products that infringe the claims of the '233 patent and by inducing others 22 to infringe the claims of the '233 patent without a license or permission from Longitude. These products include without limitation all Lenovo IdeaPad 3 23 computers (e.g., model 81X800L0CF), all other Lenovo computers, laptops, and 24 25 tablets having Western Digital PC SN530 NVMe SSDs, Western Digital SSDs, 26 and/or Western Digital 3D NAND memory chips and all versions and variations of them offered for sale since the issuance of the '369 patent. 27

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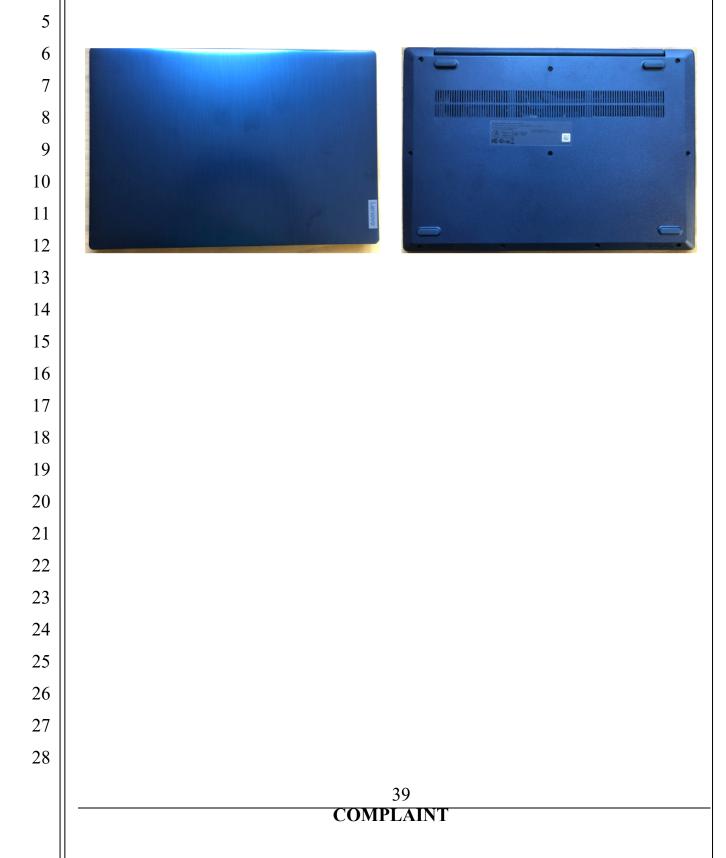
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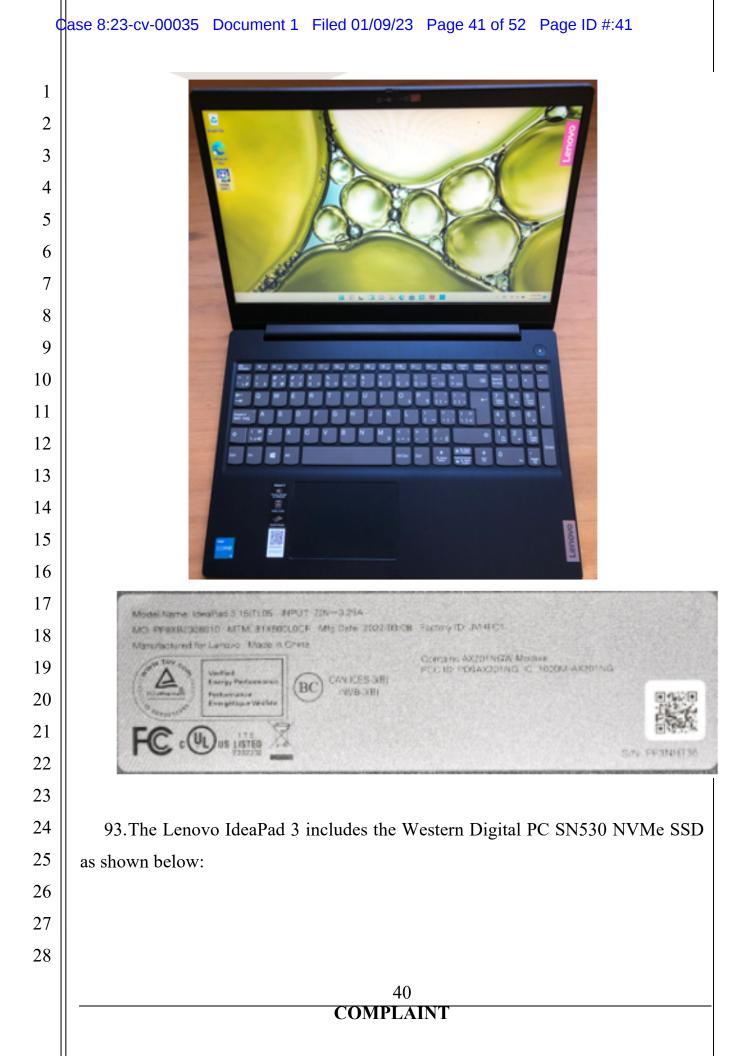
92.A non-limiting example of Defendants' infringement is the SanDisk memory chip contained within the Lenovo IdeaPad 3 computer which infringes at least claim 1 of the '369 patent. Exemplary photographs of the Lenovo IdeaPad 3, and its packaging are set forth below:

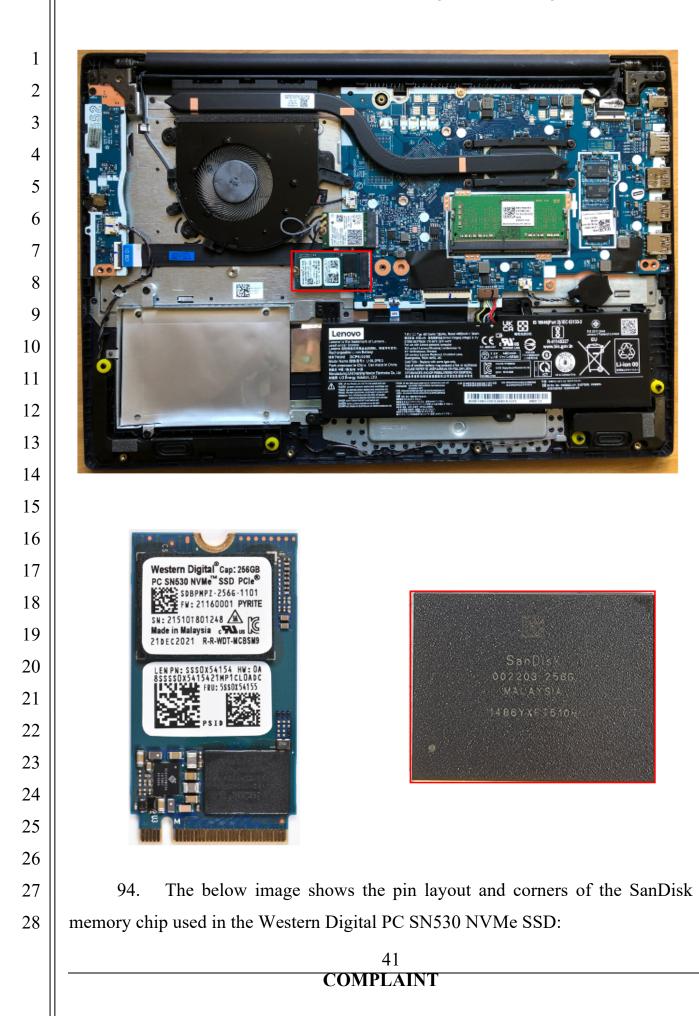


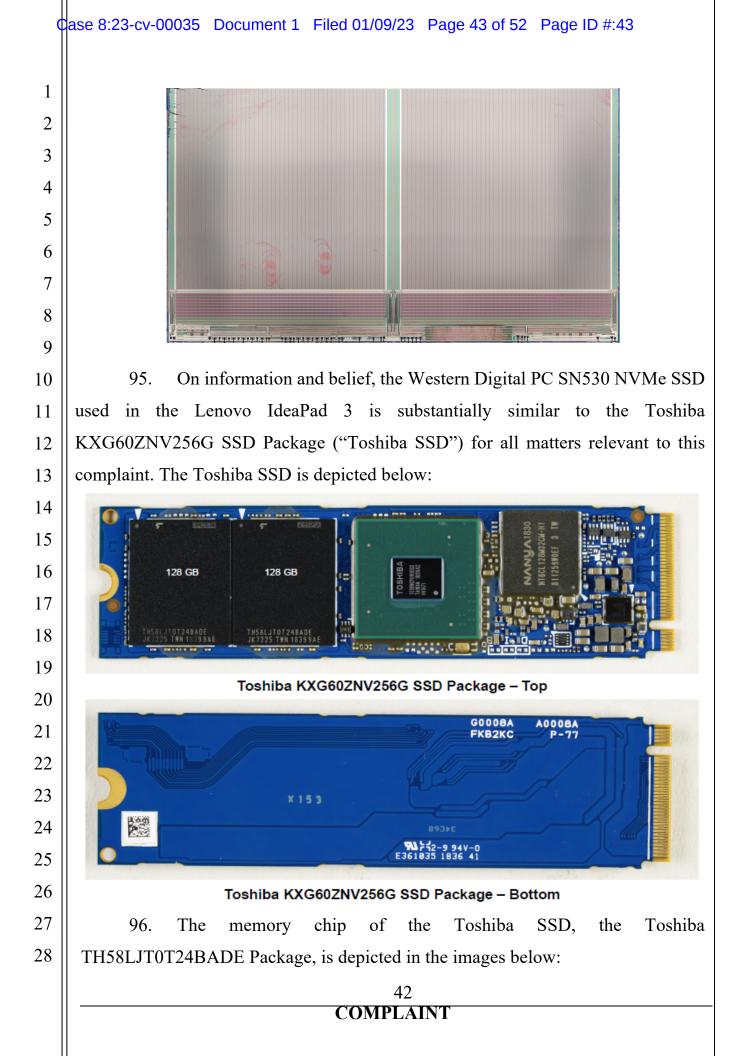
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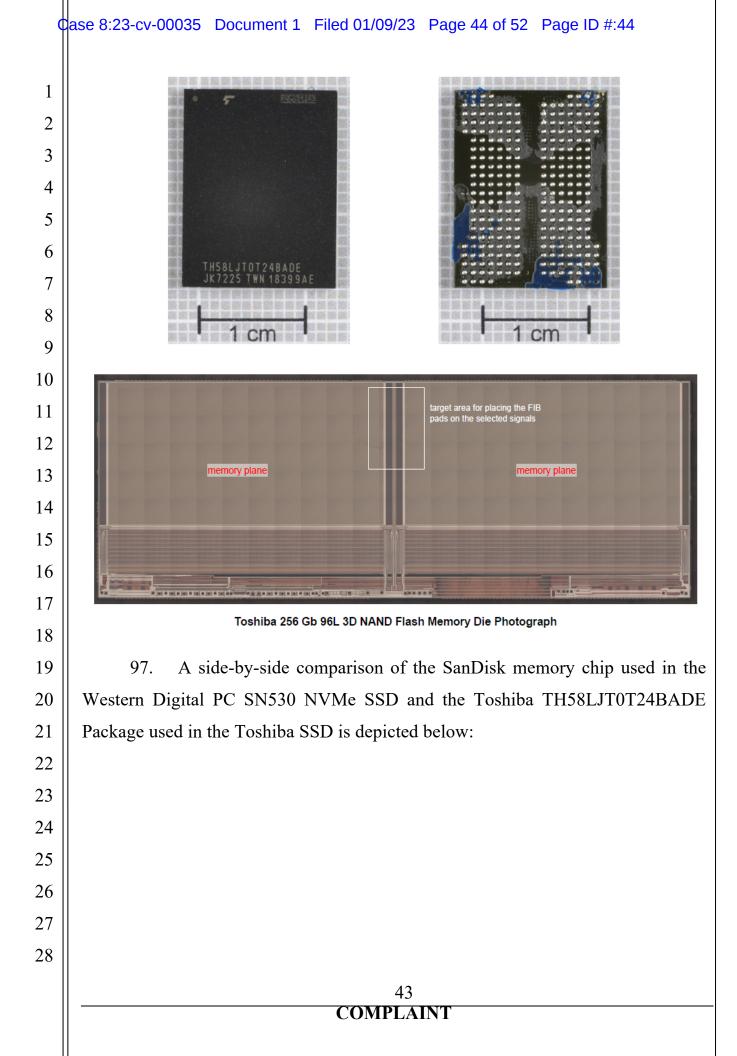
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RUSS, AUGUST & KABAT



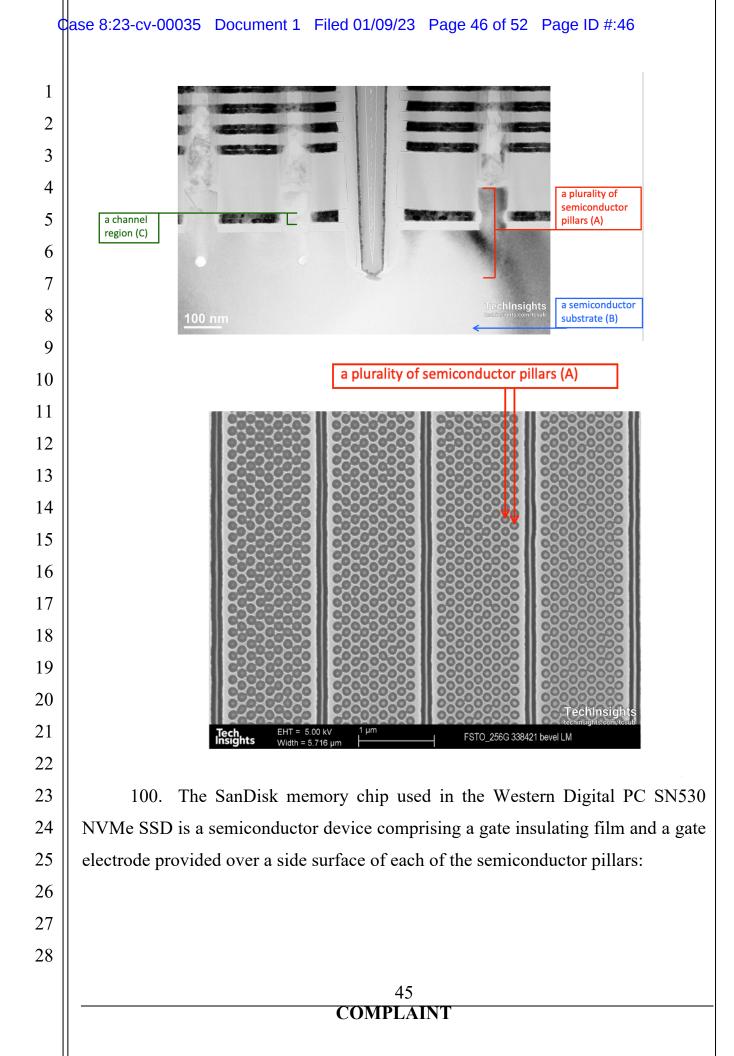


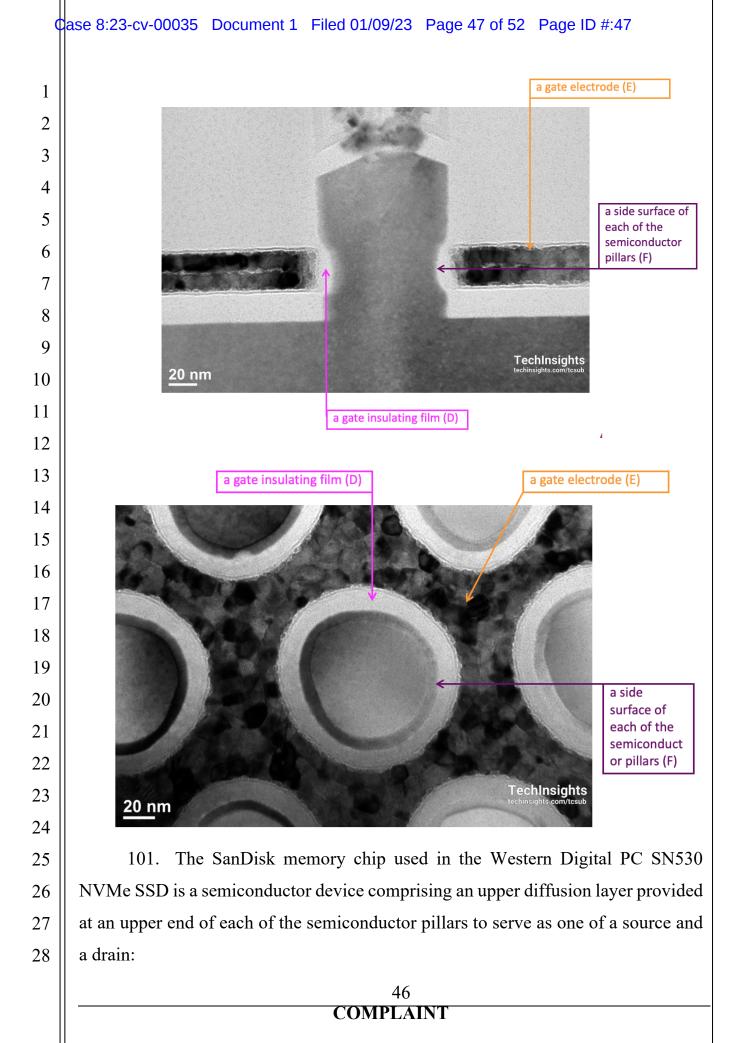
98. Based at least on the above, Longitude is informed and believes that the 12 corners of the dies of the SanDisk memory chip used in the Western Digital PC 13 SN530 NVMe SSD and the Toshiba TH58LJT0T24BADE Package are substantially 14 the same. Accordingly, Longitude is informed and believes that the various I/Os and 15 peripheral circuits are the same between the Toshiba and Western Digital/SanDisk 16 chips. Furthermore, Longitude is informed and believes that Toshiba and Western 17 Digital shared the designs for 96 layer chips. As shown above, the SanDisk memory 18 chip is substantially the same as the Western Digital PC SN530 NVMe SSD and the 19 Toshiba TH58LJT0T24BADE Package. For this reason, Longitude is informed and 20 believes that technical documents and other analysis concerning the Toshiba 21 TH58LJT0T24BADE Package also describe the layout and functionality of the 22 Western Digital PC SN530 NVMe SSD and the SanDisk memory chip therein.

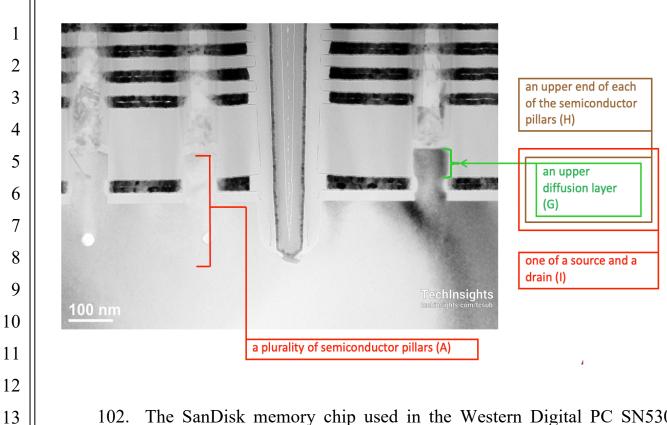
23 99. The SanDisk memory chip used in the Western Digital PC SN530 NVMe SSD 24 is a semiconductor device comprising a plurality of semiconductor pillars provided 25 to stand from a semiconductor substrate, each of the semiconductor pillars 26 comprising a channel region:

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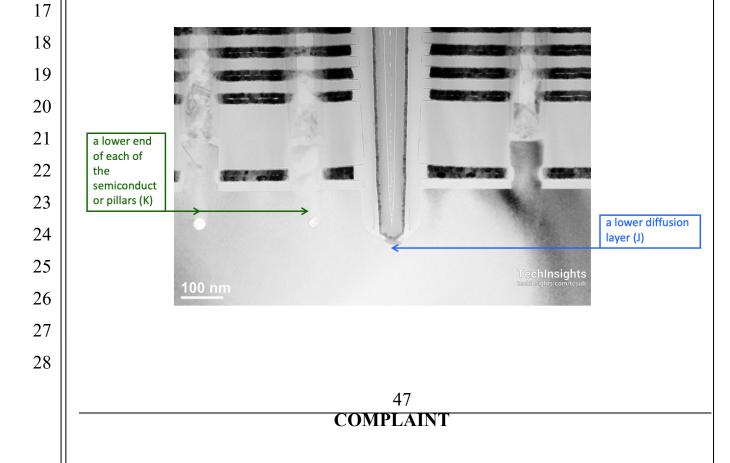
⁴⁴ COMPLAINT







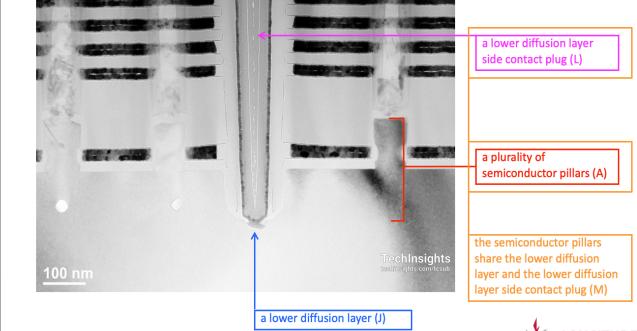
102. The SanDisk memory chip used in the Western Digital PC SN530 NVMe SSD is a semiconductor device comprising a lower diffusion layer operatively coupled to a lower end of each of the semiconductor pillars to serve as the other of the source and the drain:



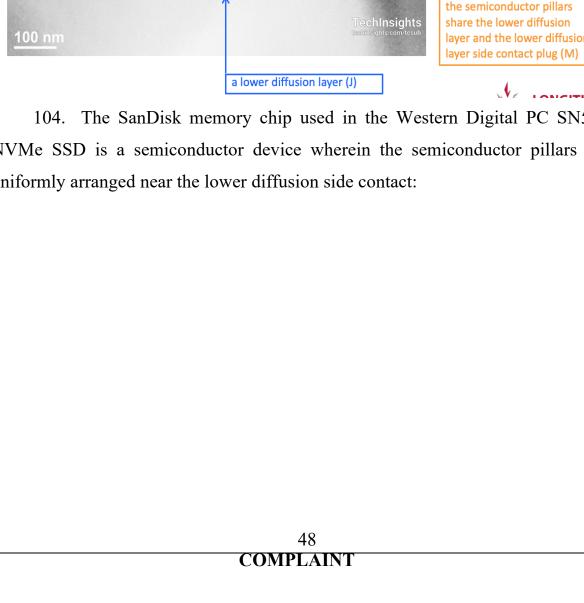
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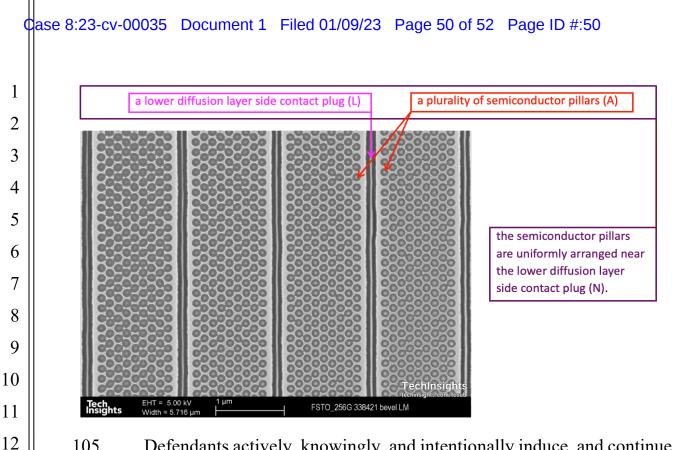
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103. The SanDisk memory chip used in the Western Digital PC SN530 NVMe SSD is a semiconductor device comprising a lower diffusion layer side contact plug connected to the lower diffusion layer, wherein the semiconductor pillars share the lower diffusion layer and the lower diffusion layer side contact plug:



104. The SanDisk memory chip used in the Western Digital PC SN530 NVMe SSD is a semiconductor device wherein the semiconductor pillars are uniformly arranged near the lower diffusion side contact:





105. Defendants actively, knowingly, and intentionally induce, and continue to actively, knowingly, and intentionally induce, infringement of the '233 patent under 35 U.S.C. §271(b) by their customers and end users.

106. Defendants have had knowledge of and notice of the '233 patent and their infringement since at least September 6, 2022 when Longitude gave Defendants notice of their infringing actions. In any event, Defendants have had knowledge and notice of the '233 patent since at least the filing of this complaint.

107. Defendants have induced their customers and end users to infringe the '233patent by using their products as shown above. For example, Defendants encourage their customers and end users to perform infringing methods by the very nature of the products.

108. Defendants specifically intend their customers and/or end users infringe
the '233 patent, either literally or by the doctrine of equivalents, because Defendants
have known about the '233 patent and how Defendants' products infringe the claims
of the '233 patent but Defendants have not taken steps to prevent infringement by
their customers and/or end users. Accordingly, Defendants have acted with the
specific intent to induce infringement of the '233 patent.

49 COMPLAINT

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109. Accordingly, Defendants have induced, and continue to induce, infringement of the '233 patent under 35 U.S.C. §271(b).

110. As discussed above, Defendants have had knowledge of and notice of the '233 patent and its infringement since at least September 6, 2022. Despite this knowledge, Defendants continue to commit tortious conduct by way of patent infringement.

111. Defendants have been and continue to infringe one or more of the claims of the '233 patent through the aforesaid acts.

9 112. Defendants have committed these acts of infringement without license10 or authorization.

113. Plaintiff is entitled to recover damages adequate to compensate for the infringement.

114. Defendants have and continue to infringe the '233 patent, acting with an objectively high likelihood that their actions constitute infringement of the '233 patent. Defendants have known or should have known of this risk at least as early as September 6, 2022. Accordingly, Defendants' infringement of the '233 patent has been and continues to be willful.

PRAYER FOR RELIEF

19 Wherefore, Longitude, respectfully requests the following relief:

a) A judgment that Defendants have infringed the '369 patent;

b) A judgment that Defendants have infringed the '539 patent;

c) A judgement that Defendants have infringed the '233 patent;

d) A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants' past infringement, and any continuing or future infringement of the Patents-in-Suit, up until the date such judgment is entered, including interest, costs, and disbursements as justified under 35 U.S.C. § 284 to adequately compensate Plaintiff for Defendants' infringement;

50 COMPLAINT

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¢	ase 8:23-cv-00035 Document 1 Filed 01/09/23 Page 52 of 52 Page ID #:52
1 2	e) An adjudication that Defendants' infringement of the Patents-in-Suit has been willful and deliberate;
3	f) An adjudication that Plaintiff be awarded treble damages and pre-judgment
4	interest under 35 U.S.C. § 284 as a result of Defendants' willful and deliberate
5	infringement of the Patents-in-Suit;
6	g) An adjudication that this case is exceptional within the meaning of 35 U.S.C.
7	§ 285;
8	h) An adjudication that Plaintiff be awarded the attorneys' fees, costs, and
9	expenses it incurs in prosecuting this action; and
10	i) An adjudication that Plaintiff be awarded such further relief at law or in equity
11	as the Court deems just and proper.
12	JURY TRIAL DEMANDED
13	Plaintiff hereby demands a trial by jury of all issues so triable.
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15	Respectfully submitted,
16	DATED: January 9, 2023 RUSS, AUGUST & KABAT
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25	Attorneys for Plaintiff Longitude Licensing, Ltd.
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