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1	Colby B. Springer (214868)							
2	cspringer@polsinelli.com Hannah T. Yang (311814) hyang@polsinelli.com <b>POLSINELLI LLP</b> Three Embarcadero Center Suite 1350 San Francisco, California 94111 T: 415.248.2100 F: 415.248.2101							
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7	Attorneys for Plaintiff Anza Technology, Inc.							
8	UNITED STATES DISTRICT COURT							
9	EASTERN DISTRICT OF CALIFORNIA							
10								
11	Anza Technology, Inc.	Case No.						
12	Plaintiff,							
13	v.	COMPLAINT FOR PATENT INFRINGEMENT						
14	Mushkin, Inc., a Colorado corporation, d/b/a Mushkin Enhanced MFG.							
15	Defendant.	DEMAND FOR JURY TRIAL						
16								
17								
18	Plaintiff Anza Technology, Inc. ("Anza	a" or "Plaintiff"), by and through its undersigned						
19	counsel complains and alleges against Defendation	ant Mushkin, Inc. d/b/a Mushkin Enhanced MFG						
20	("Defendant") as follows:							
21	NATURE OF	THE ACTION						
22 23	1. This is a civil action for patent	infringement arising under the laws of the United						
24	States relating to patents, 35 U.S.C. § 101, et seq., including, without limitation, 35 U.S.C. §§							
25	271 and 281. Plaintiff Anza seeks a preliminary and permanent injunction and monetary							
26	damages for patent infringement.							
27								
28								
	58001351.3	COMPLAINT FOR PATENT INFRINGEMENT						

# JURISDICTION AND VENUE

2 2. This court has subject matter jurisdiction over this case for patent infringement 3 under 28 U.S.C. §§ 1331 and 1338(a) and pursuant to the patent laws of the United States of 4 America, 35 U.S.C. § 101, *et seq*.

3. Venue properly lies within the Eastern District of California pursuant to the 6 7 provisions of 28 U.S.C. §§ 1391(b), (c), and (d) and 1400(b). On information and belief, 8 Defendant conducts substantial business directly and/or through third parties or agents in this 9 judicial district by selling and/or offering to sell the infringing products and/or by conducting 10 other business in this judicial district. Furthermore, Plaintiff is informed and believes that 11 Defendant engages in business in this district, and that Plaintiff has been harmed by Defendant's 12 conduct, business transactions and sales in this district. 13

4. This Court has personal jurisdiction over Defendant because Defendant transacts 14 15 continuous and systematic retail business within the State of California. This Court has personal 16 jurisdiction over the Defendant because Plaintiff is informed and believes that this Defendant's 17 infringing activities, including, without limitation, the making, using, selling and/or offers for 18 sale of infringing products occur in the State of California. In particular, Defendant's infringing 19 products are sold at local retail stores within the District at, among others, Staples, Best Buy and 20 Target. Finally, this Court has personal jurisdiction over Defendant because, on information and 21 22 belief, Defendant has made, used, sold and/or offered for sale its infringing products and placed 23 such infringing products in the stream of interstate commerce with the expectation that such 24 infringing products would be made, used, sold and/or offered for sale within the State of 25 California.

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Upon information and belief, certain of the products manufactured by or for
 Defendant have been and/or are currently designed and/or offered for sale by Defendant through

an in-house sales and marketing team.

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2 3 PARTIES 4 6. Plaintiff Anza is a corporation organized and existing under the laws of the State 5 of California with an office and principal place of business at 4121 Citrus Avenue, Suite 4, 6 Rocklin, California 95677. Anza is a designer, manufacturer and seller of products directed to 7 8 the manufacture and assembly of electronics including the bonding of electrostatic-sensitive 9 devices. 10 7. Defendant is a corporation organized and existing under the laws of the State of 11 Colorado, with an office at 14 Inverness Drive East, Suite F-100, Englewood, Colorado 80112 12 with its principal place of business in the State of Texas at 828 New Meister Lane, Suite 300, 13 Pflugerville, Texas 78660. Defendant also maintains a registered agent in the State of California 14 15 at 29222 Rancho Viejo Road, Suite 203, San Juan Capistrano, California 92675. 16 17 **BACKGROUND** 18 8. Defendant designs, manufactures, assembles or imports products with Integrated 19 Circuit ("IC") chips. The IC chips are electrostatic discharge ("ESD") sensitive devices. 20 Assembly of Defendant's products with these ESD sensitive IC chips requires certain techniques 21 22 and methods to guard against ESD events that have catastrophic consequences on IC chips. 23 These certain techniques and methods infringe the Asserted Patent, described in further detail 24 below. 25 9. ESD damage is a well-known phenomenon in the electronics industry and 26 broadly-accepted standards have been developed by industry-recognized standards-setting 27 organizations (such as ANSI, JEDEC, the IEC and/or the ESDA) (cumulatively "ESD-28 -3-COMPLAINT FOR PATENT INFRINGEMENT 58001351.3

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Standards") to minimize the risk of damage to ESD sensitive devices during assembly and manufacture. Each of the aforementioned industry standards thus requires the use of manufacturing tools made of dissipative materials having approximately the same resistance values in connection with handling ICs that are particularly sensitive to ESD events. These resistance ranges are low enough to prevent a discharge of a charge to an ESD sensitive device such as the Accused Products, but high enough to avoid current flows that may damage the device.

9 10. Failing to adhere to such standards could otherwise lead to ESD events during the
10 bonding process that could damage the ICs and render them defective and/or unusable. Today, as
11 little as five volts of an ESD event is enough to permanently change the structures in ESD
13 sensitive devices, which include, but are not limited to, ICs, Printed Circuit Boards ("PCBs") and
14 other electronic components.

15 11. Complementary Metal-Oxide Semiconductors ("CMOS") are a type of IC
 16 commonly used in microprocessors, microcontrollers, static RAM and other digital logic circuits.
 17 CMOS ICs are known to be ESD sensitive and are highly susceptible to damage caused by ESD
 18 events.

12. CMOS chips are typically cut from a wafer of silicon into individual pieces,
called "dies." The die is picked up by a tool and placed on a substrate or package for placement
on a PCB as shown below in Fig 1.

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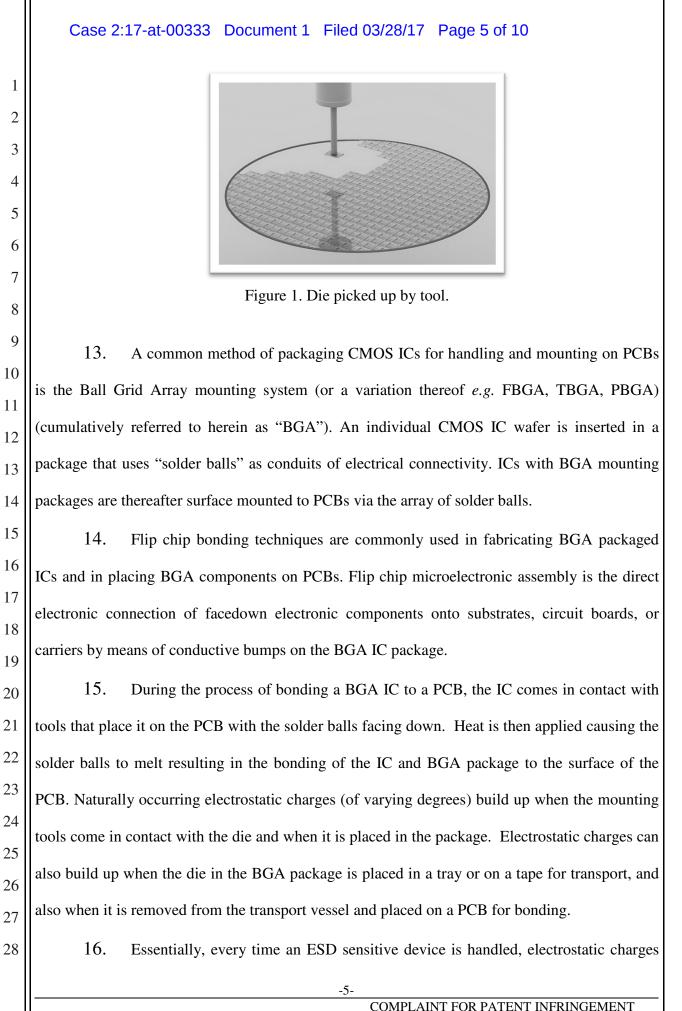
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to one degree or another are generated. Any type of movement can charge an ESD sensitive
device. Tribocharging, for example, commonly occurs in automated assembly lines with the
rubbing of conveyor belts, or when ICs and product parts touch carrier trays or tapes.
Electrostatic charges are therefore created at several places in an automated production line
including but not limited to 1) during the application of conductive material, 2) during pickup
and placement of ICs, and 3) during testing of the assembled devices.

- 8 17. Since automated production line processes generate electrostatic charges, caution
  9 has to be taken to avoid damaging ESD sensitive components when they are moved, picked up
  10 and placed in contact with one another. For these reasons, ESD sensitive devices that come in
  11 contact with automated handling equipment during the manufacture of the Accused Products
  13 should be made of electrostatic dissipative material and a resistance to ground where the ESD
  14 sensitive devices are contacted.
- 15 18. As a result, Plaintiff is informed, believes and thereon alleges that the Defendant
   uses specific design, engineering and manufacturing practices in making the Accused Products to
   minimize the costs resulting from damaging ESD events. Further, Plaintiff alleges that Defendant
   specifies and/or directs that the Accused Products be assembled or manufactured in ways that
   meet or exceed ESD-Standards for reducing the risk of damage to ESD sensitive devices.
- 21 22

# **ACCUSED PRODUCTS**

23 19. The Accused Products for purposes of the asserted patent include but are not 24 limited to BGA packaged ICs and PCBs that to which the BGA packaged ICs are mounted. The 25 Accused Products therefore include but are not limited to the following BGA packaged ICs: 26 REDLINE, BLACKLINE, RADIOACTIVE, STEALTH, SILVERLINE, PROLINE, 27 ESSENTIALS, NOTEBOOK MEMORY, STRIKER, REACTOR, TRIACTOR, CHRONOS, 28 -61 CATALYST, PROSPEC, ATLAS, and SCORPION (the "Accused Products").

2 20. The Accused Products utilize BGA ICs that are bonded to PCBs. As explained 3 above, in order to minimize the risk of an ESD event, BGA-packaged ICs are manufactured 4 using processes and methods that infringe at least independent claims 1, 14, and 16 of the '927 5 patent. Therefore, Plaintiff is informed, believes and thereon alleges that Defendant specifies the 6 use of BGA ICs for use in the Accused Products. Plaintiff is further informed, believes and 7 8 thereon alleges that the Accused Products are manufactured on assembly lines that utilize 9 processes and methods taught by independent claims 1, 14, and 16 of the '927 patent to reduce 10 the risk of damage from ESD events. 11 21. Furthermore, the ICs in the Accused Products are highly sensitive to ESD events 12 as evidenced by the charge load tolerance specifications promulgated by their manufacturers. 13 14 15 THE ASSERTED PATENT 16 22. On October 24, 2006, the United States Patent and Trademark Office ("USPTO") 17 duly and legally issued United States Patent No. 7,124,927 entitled "FLIP CHIP BONDING 18 TOOL and BALL PLACEMENT CAPILLARY" (the "'927 patent"). Steven F. Reiber is the 19 patent's sole named inventor and Plaintiff is owner, by assignment, of the entire right, title and 20 interest in and to the '927 patent and vested with the right to bring this suit for damages and 21 22 other relief. A true and correct copy of the '927 patent is attached hereto as Exhibit A. 23 24 COUNT ONE 25 **INFRINGEMENT OF THE '927 PATENT BY DEFENDANT** 26 23. Plaintiff re-alleges and incorporates by reference each of the allegations set forth 27 in paragraphs 1 through 22 above. 28 -7-COMPLAINT FOR PATENT INFRINGEMENT 58001351.3

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24. Defendant has, since at least the filing of this complaint, had knowledge of infringement of the '927 patent.

25. Plaintiff is informed, believes and thereon alleges that the Accused Products directly, or alternatively under the doctrine of equivalents, infringe each of the limitations of independent claims 1, 14, and 16 of the '927 patent in violation of 35 U.S.C. § 271(a) and (g)
when Defendant imports into the United States or offers to sell, sells, or uses within the United States a product which is made by the processes described herein. Defendant also violates 35
U.S.C. § 271(a) to the extent that it conducts such infringing activity in the territory of the United States.

26. Furthermore, Defendant purports to be a JEDEC Member, claiming that "[its] in-12 house engineers utilize JEDEC . . . to build innovative module solutions that match today's 13 computer performance standards." See Mushkin Certifications webpage, attached hereto as 14 15 Exhibit B. Plaintiff is therefore informed, believes and thereon alleges that Defendant and/or its 16 contract manufacturer assembles the Accused Products, in compliance with one or more ESD-17 Standards, such as JEDEC, which employs a method of ESD control that infringes independent 18 claims 1, 14, and 16 of the '927 patent. On information and belief, Defendant specifies that BGA 19 ICs are used in the Accused Products. 20

27. In following conventional industry practices, tools are used in the process of 21 22 manufacturing or assembling the Accused Products to surface mount and bond BGA ICs to 23 PCBs. Plaintiff is informed and believes and thereon alleges that during the assembly or 24 manufacture of the Accused Product, the Defendant or its contract manufacturer uses tools with 25 tips that are specially designed to reduce the risk of damage to BGA ICs from ESD events. 26 Specifically, Plaintiff is informed, believes and thereon alleges that Defendant complies with 27 reasonable and prudent ESD-Standard practices and techniques in the manufacture or assembly 28

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1 of the Accused Products to reduce the risk of ESD events through the use of electrically 2 dissipative tool tips, which reduce sudden discharges of electrostatic current into the BGA ICs 3 that are being bonded to PCBs in the Accused Products, as taught by independent claims 1, 14, 4 and 16 of the '927 patent. 5

7		PRAYER FOR RELIEF							
8	WH	<b>EREFORE</b> , Plaintiff prays for relief and judgment as follows:							
9	1.	That Defendant has infringed the Patent-in-Suit;							
10	2.	Compensation for all damages caused by Defendant's infringement of the Patent-							
11	in-Suit to be determined at trial;								
12	3.	A finding that this case is exceptional and an award of reasonable attorneys fees							
13	pursuant to 35 U.S.C. § 285;								
14	4.	Granting Plaintiff pre-and post-judgment interest on its damages, together with all							
15 16									
	costs and ex	-							
17 18	5.	Awarding such other relief as this Court may deem just and proper.							
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20		DEMAND FOR JURY TRIAL							
20	Plaintiff hereby demands a trial by jury on all claims.								
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3				By:	/s/ Colby Colby B.	B. Springer Springer (SBN 214868)	
4				5	cspringer Hannah	·@polsinelli.com Г. Yang (SBN 311814)	
5					hyang@p Three En	B. Springer Springer (SBN 214868) @polsinelli.com T. Yang (SBN 311814) polsinelli.com nbarcadero Center	
6					Suite 133	50 cisco, CA 94111	
7					Attorney	s for Plaintiff ECHNOLOGY, INC.	
8					ANZA T	ECHNOLOGY, INC.	
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