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6 Attorneys for Plaintiffs Seiko Epson
7 Corporation, Epson America, Inc., and
8 Epson Portland Inc.

9 **UNITED STATES DISTRICT COURT**
10 **CENTRAL DISTRICT OF CALIFORNIA**
11 **WESTERN DIVISION**

13 **SEIKO EPSON CORPORATION,**
14 a Japan corporation; **EPSON**
15 **AMERICA, INC.,** a California
16 corporation; and **EPSON PORTLAND**
17 **INC.,** an Oregon corporation,

17 Plaintiffs,

18 vs.

19
20 **RJ INTERNATIONAL GROUP,**
21 **INC.,** a California corporation; and
22 **YIPING JEN,** an individual,

22 Defendants.

CASE NO. _____

**COMPLAINT FOR
PATENT INFRINGEMENT**

DEMAND FOR JURY TRIAL

Trial Date: None Set

1 Plaintiffs Seiko Epson Corporation, Epson America, Inc., and Epson Portland
2 Inc., (collectively, "Epson"), for their Complaint herein, allege as follows:

3 **NATURE OF THE ACTION**

4 1. This is an action for patent infringement of United States Patent No.
5 8,794,749 ("the '749 patent") arising under the patent laws of the United States of
6 America, 35 U.S.C. § 1 *et. seq.*

7 2. The infringing products at issue are aftermarket ink cartridges for use with
8 Epson printers. Over the years, Epson has brought numerous actions in various district
9 courts as well as the United States International Trade Commission ("ITC") for
10 infringement of its patents related to ink cartridge technology. The ITC has issued two
11 general exclusion orders that prohibit the importation of ink cartridges that infringe
12 certain Epson patents, including the patent asserted in this case. Epson's patent
13 enforcement efforts have been widely publicized and reported by the aftermarket ink
14 cartridge industry and by Epson itself. As a result, the aftermarket ink cartridge
15 industry is intimately familiar with the two ITC general exclusion orders and Epson's
16 patents. The aftermarket ink cartridge industry knows that importation and sale of ink
17 cartridges for use with Epson printers may violate the ITC's general exclusion orders
18 and infringe Epson's patents, including the '749 patent asserted in this case. Epson
19 gives notice of its patents, including the '749 patent, by virtual marking of its ink
20 cartridges pursuant to 35 U.S.C. § 287(a). Nevertheless, infringers continue to import,
21 offer to sell, and sell ink cartridges that infringe Epson's patents, including the '749
22 patent, in flagrant violation of the ITC's general exclusion orders and United States
23 patent law.

24 3. Defendants in this case are willful infringers of the '749 patent and
25 violators of at least the ITC's general exclusion order that covers the '749 patent. Epson
26 brings this action to recover money damages, for a preliminary and permanent
27 injunction, and for other relief as set forth herein.

28

1 **RELATED ACTIONS**

2 4. This action is related to the following five actions filed in the Central
3 District of California because the '749 patent asserted here was also asserted in those
4 cases and/or the accused products at issue in this case overlap with the same or similar
5 infringing aftermarket ink cartridges in those cases:

- 6 a. *Seiko Epson Corporation, et al. v. Vision Imaging Supplies, Inc.,*
7 *et al.*, Civil No. 2:21-cv-02756-MCS-MAA (C.D.CA), filed on
8 March 30, 2021, concluded by settlement, consent judgment as
9 to certain defendants and dismissal as to certain other
10 defendants;
- 11 b. *Seiko Epson Corporation, et al. v. Audoormatics USA, Inc., et*
12 *al.*, Civil No. 2:20-cv-11148-MCS-MAA (C.D.CA), filed on
13 December 9, 2020, concluded by settlement, consent judgment
14 and permanent injunction as to certain defendants, and dismissal
15 as to certain other defendants;
- 16 c. *Seiko Epson Corporation, et al. v. Vintrick Inc., et al.*, Civil No.
17 1:19-cv-10697-CJC-AFM (C.D.CA.), filed on December 18,
18 2019, concluded by default judgment and permanent injunction;
- 19 d. *Seiko Epson Corporation, et al. v. Soldcrazy USA LLC*, Civil No.
20 2:17-cv-04502-AB (JCx) (C.D. Cal.), filed on June 16, 2017,
21 concluded by default judgment and permanent injunction; and
- 22 e. *Seiko Epson Corporation, et al. v. Prinko Image Co. (USA), Inc,*
23 *Civil No. 2:17-cv-04501-AB (JCx) (C.D. Cal.)*, filed on June 19,
24 2017, concluded by default judgment and permanent injunction.

25 5. In addition, this action is related to *In the Matter of CERTAIN INK*
26 *CARTRIDGES AND COMPONENTS THEREOF*, Investigation No. 337-TA-946,
27 United States International Trade Commission ("ITC"), Washington, D.C., which was
28 adjudicated by the ITC in a final determination (ITC Opinion, May 26, 2016) (the "ITC

1 946 Investigation") and in which the ITC issued a General Exclusion Order and certain
2 Cease and Desist Orders that include the '749 patent. The '749 patent asserted in this
3 case was litigated in the ITC 946 Investigation against the same or overlapping groups
4 of aftermarket ink cartridges that are accused of infringement in this action.

5 6. Finally, this action is related to *In the Matter of CERTAIN INK*
6 *CARTRIDGES AND COMPONENTS THEREOF*, Investigation No. 337-TA-565,
7 United States International Trade Commission, Washington, D.C., which was
8 adjudicated by the ITC in a final determination (ITC Opinion, Oct. 19, 2007) (the "ITC
9 565 Investigation") and in which the ITC issued a General Exclusion Order and certain
10 Cease and Desist Orders that include various Epson patents, not at issue here, but
11 related insofar as the same or overlapping groups of aftermarket ink cartridges that are
12 accused of infringement in this action were also at issue in the ITC 565 Investigation.

13 **THE PARTIES**

14 7. Plaintiff Seiko Epson Corporation ("Seiko Epson") is a corporation
15 organized and existing under the laws of Japan. Its principal place of business is
16 located at 3-3-5 Owa Suwa-Shi Nagano-Ken, 392-8502, Japan. Seiko Epson is the
17 assignee of the '749 patent.

18 8. Plaintiff Epson America, Inc. ("Epson America") is a corporation
19 organized and existing under the laws of the State of California. Its principal place of
20 business is located at 3131 Katella Avenue, Los Alamitos, California 90720. As the
21 North American sales, marketing, and customer service affiliate of Seiko Epson, Epson
22 America is the exclusive licensee of the '749 patent for distributing in the United States
23 Epson ink cartridges that embody the inventions contained in the '749 patent, including
24 cartridges manufactured by Epson Portland Inc.

25 9. Plaintiff Epson Portland Inc. ("Epson Portland") is a corporation organized
26 and existing under the laws of the State of Oregon. Its principal place of business is
27 located at 3950 NE Aloclek Drive, Hillsboro, Oregon 97124. Epson Portland is the
28

1 exclusive licensee of the '749 patent for manufacturing in the United States Epson ink
2 cartridges that embody the inventions contained in the '749 patent.

3 10. Plaintiffs Seiko Epson, Epson America, and Epson Portland are sometimes
4 referred to collectively herein as "Epson" or "Plaintiffs."

5 11. Plaintiffs produce and sell ink cartridges that operate with Epson ink jet
6 printers utilizing Epson's patented technology and designs in the United States and in
7 this judicial district.

8 12. According to defendant RJ International Group, Inc.'s ("RJ International")
9 filings with the California Secretary of State, RJ International is a corporation
10 organized and existing under the laws of the State of California with a street address of
11 its principal executive office at 18351 Colima Road, #883, Rowland Heights, California
12 91748. The agent for service of process for RJ International is defendant Yiping Jen
13 and the address for service of process is 18351 Colima Road, #883, Rowland Heights,
14 California 91748, the same address as RJ International's principal executive office. On
15 information and belief, RJ International also operates out of the business address 10318
16 Norris Avenue, Pacoima, California, 91331, from which it ships infringing products, as
17 discussed further below. Yiping Jen is also identified as the Chief Executive Officer
18 ("CEO"), Secretary, Chief Financial Officer ("CFO"), and sole Director of RJ
19 International in RJ International's June 30, 2021 filings with the California Secretary of
20 State, which were electronically signed by Yiping Jen.

21 13. On information and belief, and according to public records, defendant,
22 Yiping Jen is an individual who resides in California at 665 S. Melrose Street,
23 Anaheim, California 92805.

24 14. Collectively, defendant RJ International and defendant Yiping Jen are
25 referred to herein as "Defendants."

26 15. According to records available at the United States Patent and Trademark
27 Office ("U.S. PTO"), on October 20, 2021, Defendants filed an application for U.S.
28 trademark registration for the stylized mark "RCDEPOT1" for goods in International

1 Class 016 on "canvas paper." In Defendants' U.S. PTO trademark application, the
2 signatory is identified as Yiping Jen, and the owner is identified as RJ International and
3 the owner's business and correspondence address is listed as 18351 Colima Rd. #883,
4 Rowland Heights, California 91748, the very same address for RJ International
5 according to Defendants' filings with the California Secretary of State and as set forth
6 above in paragraph 12.

7 16. On information and belief, Defendants have and continue to conduct
8 business on the Internet under various seller names, including but not limited to "Fusion
9 Inkjet" through their listings and/or storefronts on ebay.com under the seller name
10 "fusion-inkjet." On information and belief, Defendants import, offer for sale, and sell
11 ink cartridges that infringe the '749 patent as complained of herein, including by
12 offering for sale and selling ink cartridges that infringe the '749 patent directly through
13 Defendants' store fronts and listings on ebay.com.

14 17. For example, in the annotated screen captures shown below of one of
15 Defendants' listings on their ebay.com storefront, visited on October 13, 2021,
16 Defendants offer for sale infringing ink cartridges for Epson printers and describe them
17 as: "compatible SureColor s30675 s50675 yellow eco solvent bulk ink cartridge krft"
18 and "Compatible with T6897 Cartridges." These ink cartridges are sold by "rj
19 international group inc." from Defendants' 18351 Colima Rd. #883 Rowland Heights,
20 CA 91748 address.

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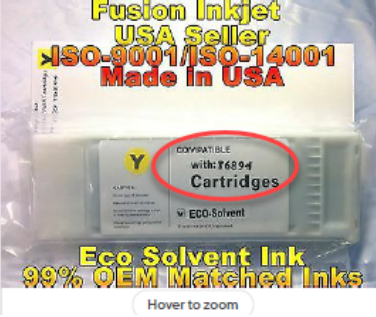
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10/13/21, compatible SureColor s30675 s50675 yellow eco solvent bulk ink cartridge krft | eBay

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compatible SureColor s30675 s50675 yellow eco solvent bulk ink cartridge krft

Shop with confidence
eBay Money Back Guarantee
Get the item you ordered or get your money back.
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Condition: New
Quantity: 1 2 available
Price: GBP 65.16
Approximately US \$88.63
Buy It Now
Add to cart

Best Offer: Make Offer Add to Watchlist

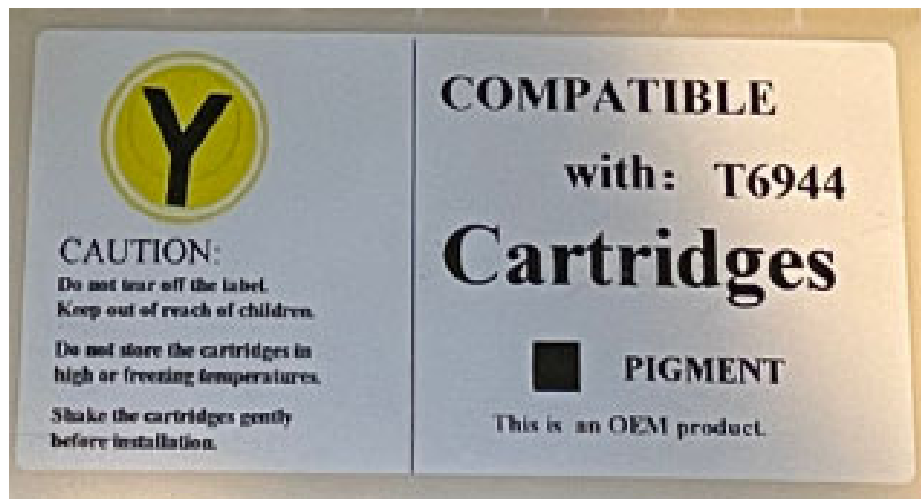
Seller information
fusion-inkjet (65)
100% Positive feedback
Save this Seller
Contact seller
Visit store
See other items
Registered as a Business Seller

10/13/21, compatible SureColor s30675 s50675 yellow eco solvent bulk ink cartridge krft | eBay

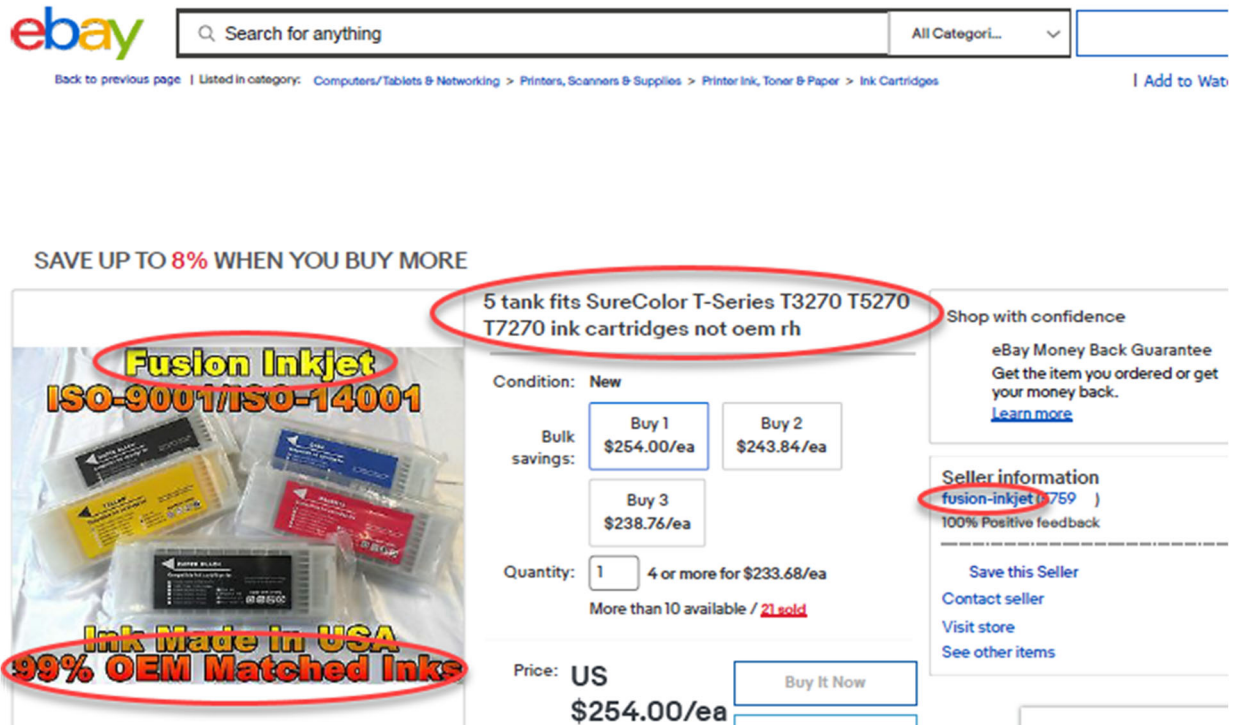
ij international group inc
Roger Jen
18351 Colima Rd
883
91748 Rowland Heights, CA
United States

Email: fusioninkjet@gmail.com

18. Additionally, the labels on the shipped cartridges state: "Compatible with: T6944 Cartridges" and incorrectly that "This is an OEM product," as shown in the below picture of the packaging label.



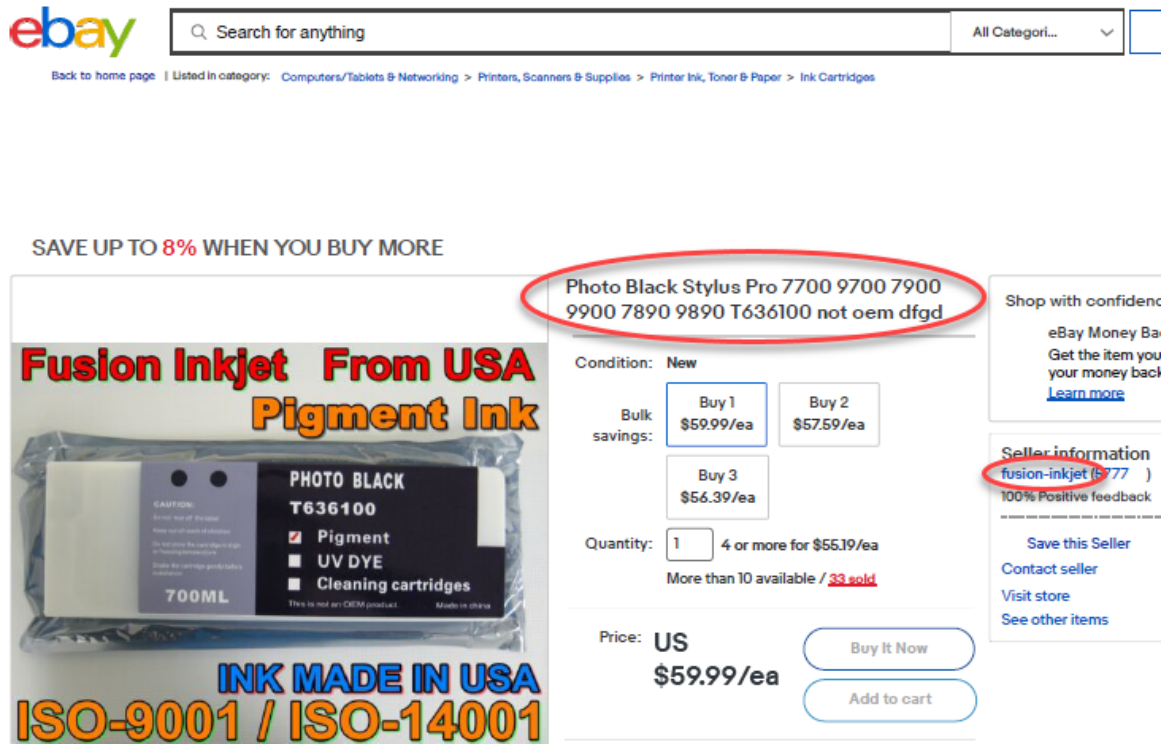
1 19. As another example, in the annotated screen capture below of Defendants'
2 listing on their "fusion-inkjet" storefront on ebay.com, visited on September 29, 2021,
3 Defendants offered for sale infringing ink cartridges for Epson printers and describe the
4 infringing ink cartridges as: "5 tank fits SureColor T-Series T3270 T5270 T7270 ink
5 cartridges not oem rh," and as "99% OEM Matched Inks."



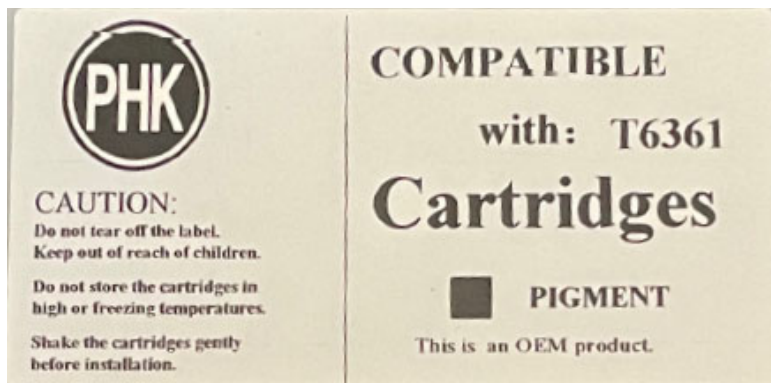
19 20. Additionally, the labels on the shipped cartridges state: "Compatible with:
20 T6941 Cartridges" and incorrectly that "This is an OEM product," as shown in the
21 below picture of the packaging label.



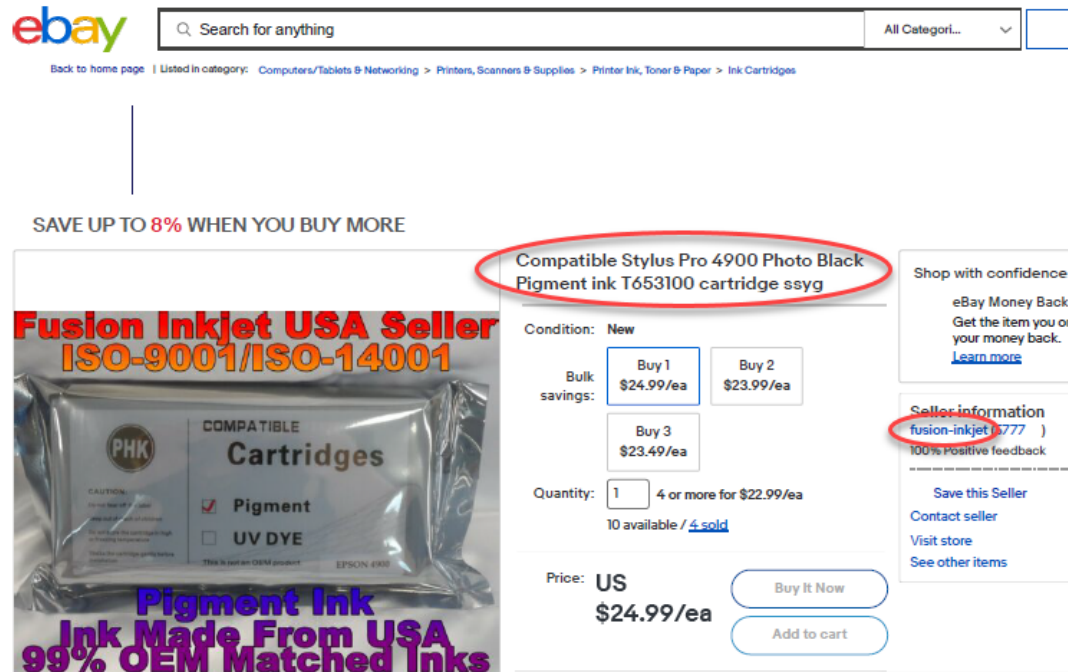
1 21. As another example, in the annotated screen capture below of Defendants'
 2 listing on their "fusion-inkjet" storefront on ebay.com, visited on November 15, 2021,
 3 Defendants offered for sale infringing ink cartridges for Epson printers and describe the
 4 infringing ink cartridges as: "Photo Black Stylus Pro 7700, 9700, 7900, 9900, 7890,
 5 9890 T636100 not oem dfgd."



19 22. Additionally, the labels on the shipped cartridges state: "Compatible with:
 20 T6361 Cartridges" and incorrectly that "This is an OEM product," as shown in the
 21 below picture of the packaging label.



1 23. As another example, in the annotated screen capture below of Defendants'
2 listing on their "fusion-inkjet" storefront on ebay.com, visited on November 11, 2021,
3 Defendants offered for sale infringing ink cartridges for Epson printers and describe the
4 infringing ink cartridges as: "Compatible Stylus Pro 4900 Photo Black Pigment Ink
5 T653100 cartrdige ssyg."

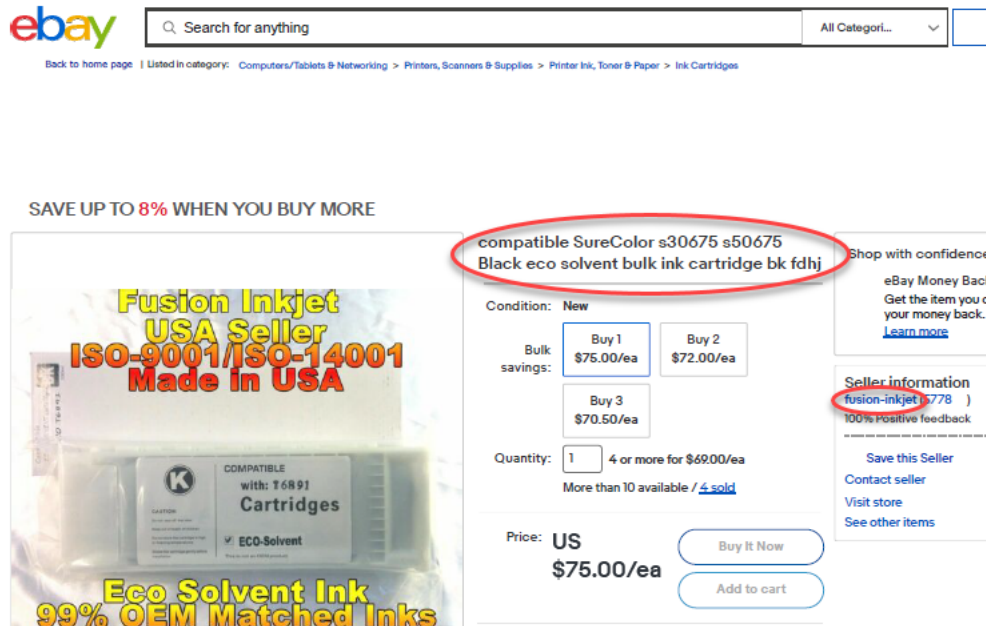


17 24. Additionally, the labels on the shipped cartridges state: "Compatible with:
18 T6531 Cartridges" and incorrectly that "This is an OEM product," as shown in the
19 below picture of the packaging label.



27 25. As another example, in the annotated screen capture below of Defendants'
28 listing on their "fusion-inkjet" storefront on ebay.com, visited on November 17, 2021,

1 Defendants offered for sale infringing ink cartridges for Epson printers and describe the
2 infringing ink cartridges as: "compatible SureColor s30675 s50675 Black eco solvent
3 bulk ink cartridge bk fdhj."



14 26. Additionally, the labels on the shipped cartridges state: "Compatible with:
15 T6891 Cartridges" and incorrectly that "This is an OEM product," as shown in the
16 below picture of the packaging label.



23 27. Numerous purchases of infringing ink cartridges were made by Epson
24 from Defendants' storefronts and listings on ebay.com. The infringing ink cartridges
25 were shipped by Defendants to Epson under Defendants' seller name Fusion Inkjet from
26 their shipping address 10318 Norris Avenue, Pacoima, California 91331.

27 28. On information and belief, Defendants act in concert with each other and
28 with other entities and under fictitious business names to import, manufacture,

1 distribute, and sell ink cartridges that infringe the '749 patent. On information and
2 belief, Defendants are jointly and severally responsible for the infringements of the '749
3 patent as they jointly operated and continue to jointly operate and manage the
4 infringing enterprises, including Defendants, and any related d/b/a entities, as a single
5 enterprise by comingling resources, assets, operations, commercial activities, and they
6 incur expenses and achieve profits jointly for the benefit of the combined enterprise, its
7 owners and officers.

8 **JURISDICTION AND VENUE**

9 29. The causes of action herein for patent infringement arise under the patent
10 laws of the United States, 35 U.S.C. § 271. This Court has subject matter jurisdiction
11 over the claims for patent infringement pursuant to 28 U.S.C. §§ 1331 and 1338(a).
12 This Court has personal jurisdiction over the Defendants at least because Defendants
13 reside in this judicial district and have committed acts of direct and indirect patent
14 infringement in this judicial district. Venue is proper in this district under 28 U.S.C.
15 §§ 1391(b), (c) and 1400(b).

16 **CLAIM FOR RELIEF**

17 **(Patent Infringement—35 U.S.C. § 271)**

18 **INFRINGEMENT OF U.S. PATENT NO. 8,794,749**

19 30. Epson incorporates by reference each and every allegation contained in
20 Paragraphs 1 through 29 as though fully set forth at length here.

21 31. Epson owns all right, title, and interest in, including the right to sue
22 thereon and the right to recover for infringement thereof, United States Patent No.
23 8,794,749 ("the '749 patent"), which was duly and legally issued to Seiko Epson by the
24 United States Patent and Trademark Office on August 5, 2014. The '749 patent relates
25 generally to ink cartridges for printers. Attached as Exhibit A to this Complaint is a
26 true and correct copy of the '749 patent.

27 32. The '749 patent is valid and enforceable.

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1 33. On information and belief after conducting a reasonable investigation,
2 Defendants have infringed and are infringing the '749 patent, as defined by at least one
3 claim of the patent in violation of 35 U.S.C. § 271(a) by making, using, importing,
4 offering to sell, and selling in this judicial district and elsewhere aftermarket ink
5 cartridges that operate with Epson ink jet printers, including but not limited to ink
6 cartridges having model nos. T694100, T694200, T694300, T694400, T694500,
7 T653100, T636100, and T689100, as well as others that are no more than colorably
8 different from the foregoing (collectively, the "Accused '749 Ink Cartridges"). The
9 specific models of Accused '749 Ink Cartridges identified above were obtained by
10 Epson during its investigation leading to this Complaint from Defendants' online
11 listings on their storefront on ebay.com as described above.

12 34. As a non-limiting example, set forth below is a claim chart with a
13 description of Defendants' infringement of claim 1 of the '749 patent by the Accused
14 '749 Ink Cartridges. The infringement is shown using a representative ink cartridge
15 (Model No. T694100; Control No.¹ 200261) selected from among the Accused '749 Ink
16 Cartridges purchased from Defendants that, for infringement analysis purposes, is
17 representative of and represents all of Defendants' ink cartridges within the Accused
18 '749 Ink Cartridges (i.e., the represented ink cartridges), including, but not limited to,
19 the models identified above. The claim chart below refers to this ink cartridge as "the
20 Representative '749 Ink Cartridge." The Representative '749 Ink Cartridge was
21 designed for use in specific Epson printers, for example, the Epson SureColor T7270D
22 printer ("the Representative '749 Epson Printer"),² and for purposes of the analysis set
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25 ¹ For identification purposes, a unique "control number" ("Control No.") has
26 been assigned by Epson to each ink cartridge purchased by Epson from Defendants
as part of Epson's investigation in support of this Complaint.

27 ² From a patent infringement analysis perspective, as set forth herein, the
28 Representative '749 Epson Printer is representative of, and represents, all Epson
printers that work with Accused '749 Ink Cartridges.

1 forth herein, the Representative '749 Ink Cartridge was tested in the Representative '749
 2 Epson Printer, as discussed in further detail in the claim chart below.

<p>3 Claim 1 of the '749 patent</p> <p>4</p>	<p>Where found in the Accused '749 Ink Cartridges</p>
<p>5 [1a] A printing material 6 container adapted to be 7 attached to a printing apparatus 8 by being inserted into the 9 printing apparatus in an 10 insertion direction, the printing 11 apparatus having a print head 12 and a plurality of apparatus- side electrical contact members, the printing material container comprising:</p>	<p>Each of the Accused '749 Ink Cartridges is or includes a printing material container adapted to be attached to an Epson ink jet printing apparatus. Each of the Accused '749 Ink Cartridges is inserted, in an insertion direction, into an Epson ink jet printer. All Epson ink jet printers that work with the Accused '749 Ink Cartridges have a print head and a plurality of printer-side (apparatus-side) electrical contact members.</p> <p>These features are shown below using the Representative '749 Ink Cartridge.</p> <p>The Representative '749 Ink Cartridge is adapted to be attached to the Representative '749 Epson Printer by being inserted in an insertion direction, as shown in the following photographs:</p> <div> </div> <p>The Representative '749 Ink Cartridge</p>

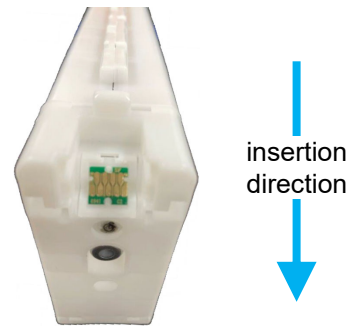
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The Representative '749 Epson Printer

The following photograph depicts the insertion direction (blue arrow) in which the Representative '749 Ink Cartridge is inserted into the Representative '749 Epson Printer:



The following photograph shows the Representative '749 Ink Cartridge, a photo black-ink ink cartridge, attached in the Representative '749 Epson Printer after the cartridge has been inserted into the printer in the insertion direction (the cyan, yellow, magenta and photo black ink cartridges, which are genuine Epson ink cartridges used to fill the remaining slots of the cartridge holder, can also be seen):

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Representative '749 Ink Cartridge installed in the Representative '749 Epson Printer

The Epson ink jet printers (which includes the Representative '749 Epson Printer) that accept the Accused '749 Ink Cartridges (which includes the Representative '749 Ink Cartridge) each include a print head for printing and multiple printer-side electrical contact forming members for each ink cartridge accepted by the printer. These features are shown below for the Representative '749 Epson Printer's cartridge holder slot that accepts the Representative '749 Ink Cartridge, a photo black-ink ink cartridge (the printer's electrical contact members for the cyan, yellow, magenta, and photo black cartridges can also be seen in the left photo):



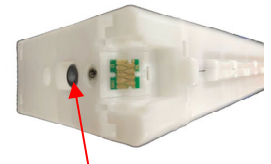
zoomed-in view of printer's electrical contact forming members (1 indicated; 9 shown)

Accordingly, the Accused '749 Ink Cartridges literally meet the preamble of claim 1 of the '749 patent.

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[1b] an ink supply opening, having an exit, adapted to supply ink from the ink cartridge to the printing apparatus;

Each of the Accused '749 Ink Cartridges comprises an ink supply opening having an exit. When attached, the ink supply opening of each of the Accused '749 Ink Cartridges is adapted to supply ink from the cartridge to the Epson ink jet printer that accepts the cartridge. The following photograph depicts the exit of the ink supply opening of the Representative '749 Ink Cartridge:



exit of ink supply opening

Accordingly, the Accused '749 Ink Cartridges literally meet this limitation of claim 1 of the '749 patent.

[1c] a low voltage electronic device adapted to receive and function with a low voltage, the low voltage electronic device comprising a memory device;

Each of the Accused '749 Ink Cartridges comprises a low voltage electronic device that comprises a memory device adapted to receive and function with a low voltage. The low voltage electronic device is an integrated circuit ("IC") chip located on the back of a printed circuit board that is mounted on a wall of the ink cartridge, as shown below in the Representative '749 Ink Cartridge:



printed circuit board (green) with low voltage electronic device located on back

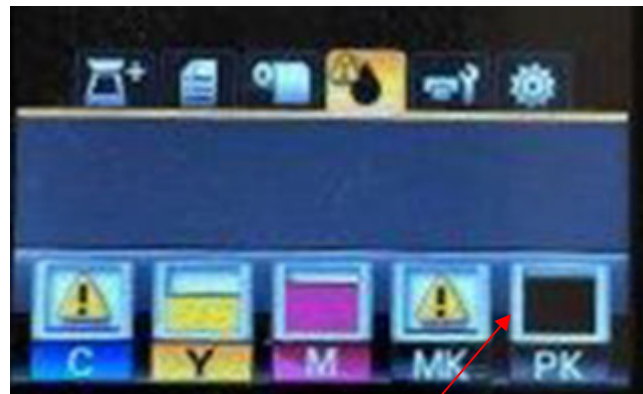
In addition, the presence of a low voltage electronic device (i.e., an IC chip comprising a memory device) is further confirmed through testing demonstrating that the Epson ink jet

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printers that accept the Accused '749 Ink Cartridges read the remaining ink level and other descriptive information about the ink cartridge from the ink cartridge's memory device, and display that information on the display screen of a connected computer and on the printer's display screen. The following photographs show the display of such information on the computer display screen and the printer's display screen for the Representative '749 Ink Cartridge, containing photo black ink, attached to the Representative '749 Epson Printer:



memory device shows, on the computer's display screen, the amount of photo black ink remaining in the Representative '749 Ink Cartridge



memory device shows, on the printer's display screen, the amount of photo black ink remaining in the Representative '749 Ink Cartridge

All Epson ink jet printers that accept the Accused '749 Ink Cartridges have similar circuitry and programming in terms of the voltages and signals they apply to their contact forming members and,

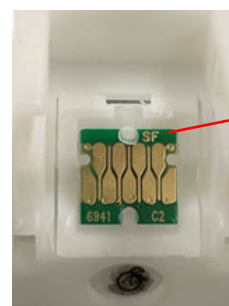
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consequently, to the corresponding contact portions of the Accused '749 Ink Cartridges (the contact portions are located on the gold-colored metallic terminals of the ink cartridge shown above). In particular, Epson printers apply a maximum voltage of approximately 4 volts (a low voltage as compared to the high voltage discussed in the next limitation) to certain of their contact forming members that in turn correspond to certain of the contact portions of the Accused '749 Ink Cartridges that are connected to the low voltage electronic device comprising a memory device. Consequently, the low voltage electronic device is adapted to receive and function with a low voltage.

Accordingly, the Accused '749 Ink Cartridges literally meet this limitation of claim 1 of the '749 patent.

[1d] a high voltage electronic device adapted to receive and function with a high voltage, which is a higher voltage than the low voltage of the low voltage electronic device; and

Each of the Accused '749 Ink Cartridges comprises a high voltage electronic device that is adapted to receive and function with a voltage that is a higher voltage than the voltage of the low voltage electronic device. The high voltage electronic device may be, for example, a resistor, or one or more other coupled electronic components, that is/are capable of receiving and functioning with a high voltage. The high voltage electronic device is located on the back of a printed circuit board that is mounted on a wall of the ink cartridge, as shown below in the Representative '749 Ink Cartridge:



printed circuit board (green) with high voltage electronic device located on back

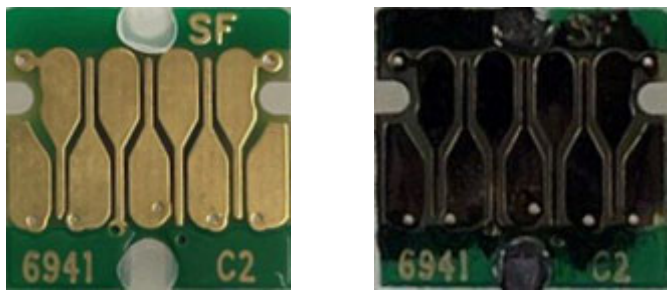
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	<p>All Epson ink jet printers that accept the Accused '749 Ink Cartridges have similar circuitry and programming in terms of the voltages and signals they apply to their contact forming members and, consequently, to the corresponding contact portions of the Accused '749 Ink Cartridges (the contact portions are located on the gold terminals of the ink cartridge shown above). In particular, Epson printers apply a voltage of approximately 42 volts (a high voltage as compared to the low voltage of approximately 4 volts applied to the low voltage electronic device discussed in the preceding limitation) to two of their contact forming members that in turn correspond to two of the contact portions of the Accused '749 Ink Cartridges that are connected to the high voltage electronic device. Consequently, the high voltage electronic device is adapted to receive and function with a high voltage.</p> <p>Accordingly, the Accused '749 Ink Cartridges literally meet this limitation of claim 1 of the '749 patent.</p>
<p>[1e] a plurality of container-side terminals having contact portions adapted and positioned to contact corresponding apparatus-side contact forming members so that electrical communication is enabled between the container and the printing apparatus, the contact portions of the terminals including a plurality of low voltage electronic device contact portions electrically coupled to the low voltage electronic device, and a first high voltage electronic device contact</p>	<p>Each of the Accused '749 Ink Cartridges comprises a plurality of container-side terminals that have contact portions. The contact portions are adapted and positioned on the cartridge so that, when the cartridge is attached to the printer, the contact portions of the cartridge's terminals contact corresponding printer-side contact forming members so that electrical communication is enabled between the cartridge and the printer.</p> <p>As seen with respect to limitation 1c above, the terminals of the Accused '749 Ink Cartridges are the gold-colored metallic portions on the green printed circuit board. The contact portions are located on these gold-colored metallic portions. To confirm the location and arrangement of the</p>

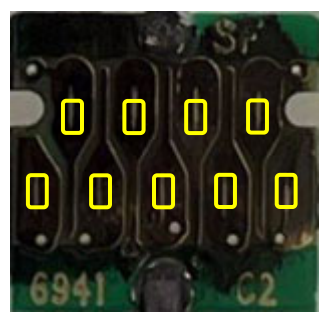
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portion and a second high voltage electronic device contact portion, each electrically coupled to the high voltage electronic device, wherein:

terminals' contact portions, the terminals were marked with black ink, the cartridge was installed in and then removed from the printer (which caused the printers' contact forming members to leave scratch marks on the terminals thereby removing a portion of the black ink that was applied and therefore indicating the location of the contact portions), and the terminals were then photographed. For example, the terminals of the Representative '749 Ink Cartridge before marking with black ink is shown on the left and after marking with black ink is shown on the right:



The resulting marks left by the printer's contact forming members on the terminals show the location and arrangement of the contact portions. These are indicated below with annotated yellow boxes superimposed on the terminals to indicate the location of the contact portions (there are a total of nine contact portions, with four contact portions in a top row and five contact portions in a bottom row):

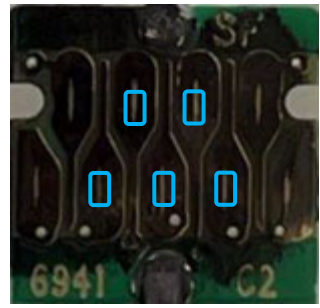


The contact portions shown above correspond to

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their printer-side contact forming members so that electrical communication is enabled between the ink cartridge and the printer, e.g., so the printer can read remaining ink level and other information from the memory device as described above with respect to limitation 1c.

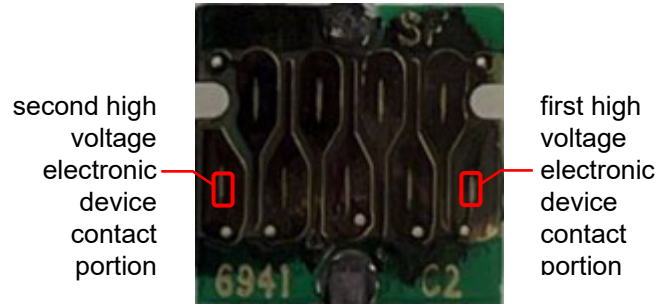
The above shown contact portions include a plurality of low voltage electronic device contact portions that are electrically coupled to the low voltage electronic device (specifically, the IC chip comprising a memory device). Each low voltage electronic device contact portion is electrically coupled by the terminal it appears on and by other circuitry to the memory device located on the back of the green printed circuit board. The following photograph of the Representative '749 Ink Cartridge shows the low voltage electronic device contact portions (there are five such low voltage electronic device contact portions, as indicated by superimposed blue boxes):



The contact portions of the Accused '749 Ink Cartridges' terminals also include first and second high voltage electronic device contact portions that are each electrically coupled to the high voltage electronic device discussed above with respect to limitation 1d. Each high voltage electronic device contact portion is electrically coupled by the terminal it appears on and by other circuitry to the high voltage electronic

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device on the back of the printed circuit board. The following photograph of the Representative '749 Ink Cartridge shows the high voltage electronic device contact portions (there are two such high voltage electronic device contact portions, as indicated by superimposed red boxes):

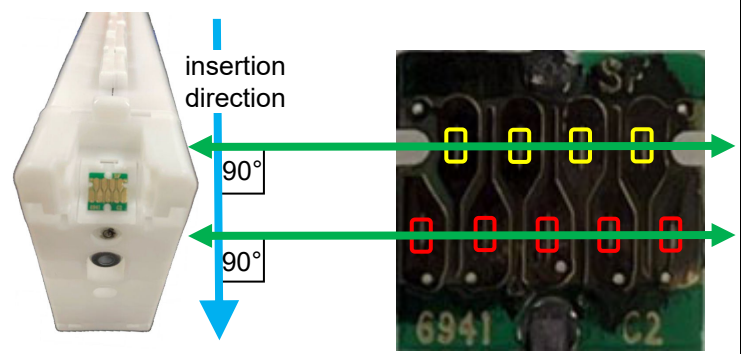


Accordingly, the Accused '749 Ink Cartridges literally meet this limitation of claim 1 of the '749 patent.

[1f] the contact portions are arranged in a first row of contact portions and in a second row of contact portions, the first row of contact portions and the second row of contact portions extending in a row direction which is generally orthogonal to the insertion direction,

The contact portions of each of the Accused '749 Ink Cartridges are arranged in a first row of contact portions and in a second row of contact portions that both extend in a row direction which is generally orthogonal to the insertion direction. The following photographs of the Representative '749 Ink Cartridge show the first row and second row of contact portions extending in a row direction which is generally orthogonal to the insertion direction in which the Accused '749 Ink Cartridges are inserted into Epson ink jet printers that accept the Accused '749 Ink Cartridges. The right photo shows an enlarged and annotated view of the printed circuit board shown in the left photo.

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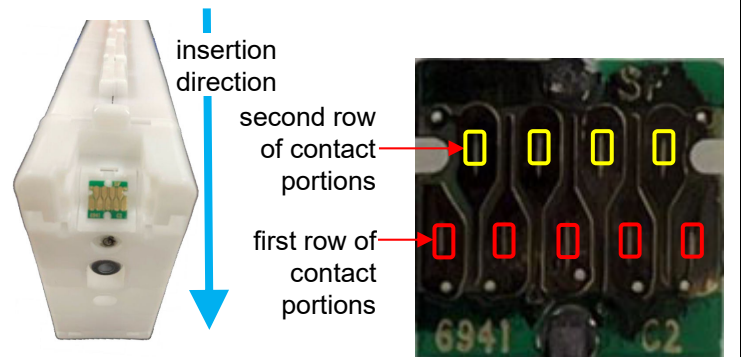


first row of contact portions (red squares) and second row of contact portions (yellow squares), each extending in a row direction (green arrows) orthogonal to cartridge insertion direction (blue arrow)

Accordingly, the Accused '749 Ink Cartridges literally meet this limitation of claim 1 of the '749 patent.

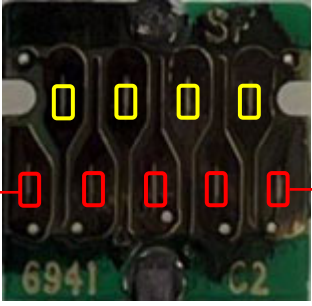
[1g] the first row of contact portions is disposed at a location that is further in the insertion direction than the second row of contact portions, and,

In each of the Accused '749 Ink Cartridges, the first row of contact portions is disposed at a location that is further in the insertion direction than the second row of contact portions. The following photographs of the Representative '749 Ink Cartridge show the first row of contact portions (red boxes) disposed at a location that is further in the cartridge insertion direction than the second row of contact portions (yellow boxes) (i.e., the first row is deeper in the printer than the second row).



first row of contact portions (red squares) disposed further in insertion direction (blue arrow) than second row of contact portions (yellow squares)

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	<p>Accordingly, the Accused '749 Ink Cartridges literally meet this limitation of claim 1 of the '749 patent.</p>
<p>[1h] the first row of contact portions has a first end position and a second end position at opposite ends thereof, the first high voltage electronic device contact portion is disposed at the first end position of the first row of contact portions and the second high voltage electronic device contact portion is disposed at the second end position of the first row of contact portions.</p>	<p>In each of the Accused '749 Ink Cartridges, the first row of contact portions has a first end position and a second end position at opposite ends thereof, the first high voltage electronic device contact portion is disposed at the first end position of the first row of contact portions, and the second high voltage electronic device contact portion is disposed at the second end position of the first row of contact portions.</p> <p>The following photograph of the Representative '749 Ink Cartridge shows the first and second high voltage contact portions disposed, respectively, at the first and second end positions at opposite ends of the first row of contact portions.</p> <div style="display: flex; align-items: center; justify-content: space-around;"> <div style="text-align: center;"> <p>second high voltage electronic device contact portion disposed at second end position of first row of contact portions</p> </div>  <div style="text-align: center;"> <p>first high voltage electronic device contact portion disposed at first end position of first row of contact portions</p> </div> </div> <p>Accordingly, the Accused '749 Ink Cartridges literally meet this limitation of claim 1 of the '749 patent.</p>

35. On information and belief after conducting a reasonable investigation, Defendants have and are actively, knowingly, and intentionally aiding and abetting and inducing infringement of the '749 patent in violation of 35 U.S.C. § 271(b) by non-parties, including end-users, despite Defendants' knowledge of the '749 patent.

1 D. That Defendants and their subsidiaries, affiliates, parents, successors,
2 assigns, officers, agents, representatives, servants, and employees, and all persons in
3 active concert or participation with them, be preliminarily and permanently enjoined
4 from continued infringement of the '749 patent;

5 E. That Defendants be ordered to pay Epson its damages caused by
6 Defendants' infringement of the '749 patent and that such damages be trebled,
7 together with interest thereon;

8 F. That this case be declared exceptional pursuant to 35 U.S.C. § 285 and
9 that Epson be awarded its reasonable attorneys' fees, litigation expenses and expert
10 witness fees, and costs; and

11 G. That Epson have such other and further relief as the Court deems just
12 and proper.

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14 **JURY TRIAL DEMAND**

15 Pursuant to Fed. R. Civ. P. 38(b), Plaintiffs request a trial by jury of all issues so
16 triable.

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DATED: February 18, 2022

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