

**UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF ILLINOIS  
EASTERN DIVISION**

Guangdong Aoyun Technology Co Ltd.,

*Plaintiff,*

v.

THE PARTNERSHIPS and  
UNINCORPORATED ASSOCIATIONS  
IDENTIFIED ON SCHEDULE A,

*Defendants.*

**CASE NO.** \_\_\_\_\_

**With Jury Demand**

**COMPLAINT**

Plaintiff Guangdong Aoyun Technology Co Ltd (“Aoyun” or “Plaintiff”) hereby brings the present action against the Partnerships and Unincorporated Associations identified on Schedule A attached hereto (collectively, “Defendants”) and alleges as follows:

**JURISDICTION AND VENUE**

1. This Court has original subject matter jurisdiction over the claims in this action pursuant to the provisions of the Patent Act, 35 U.S.C. § 1, *et seq.*, 28 U.S.C. § 1338(a)-(b) and 28 U.S.C. § 1331.

2. Venue is proper in this Court pursuant to 28 U.S.C. § 1391, and this Court may properly exercise personal jurisdiction over Defendants since each of the Defendants directly targets business activities toward consumers in the United States, including Illinois, through at least the fully interactive, e-commerce stores<sup>1</sup> operating under the seller aliases identified in Schedule A attached hereto (the “Seller Aliases”). Specifically, Defendants have targeted sales to Illinois residents by setting up and operating e-commerce stores that target United States

consumers using one or more Seller Aliases, offer shipping to the United States, including Illinois, accept payment in U.S. dollars and/or funds from U.S. bank accounts, and, on information and belief, have sold products featuring Plaintiff's patented invention to residents of Illinois. Each of the Defendants is committing tortious acts in Illinois, is engaging in interstate commerce, and has wrongfully caused Plaintiff substantial injury in the State of Illinois.

### **INTRODUCTION**

3. This action has been filed by Plaintiff to combat e-commerce store operators who trade upon Plaintiff's reputation and goodwill by making, using, offering for sale, selling and/or importing into the United States for subsequent sale or use the same unauthorized and unlicensed products, namely the Combined Type Hand Warmer (the "Infringing Products"), that infringe Plaintiff's U.S. Patent No. 12,115,099 (the "'099 patent"). Attached hereto as **Exhibit 1**.

4. Defendants create e-commerce stores operating under one or more Seller Aliases that are making, using, offering for sale, selling, and/or importing into the United States for subsequent sale or use Infringing Products to unknowing consumers. E-commerce stores operating under the Seller Aliases share unique identifiers establishing a logical relationship between them, suggesting that Defendants' operation arises out of the same transaction, occurrence, or series of transactions or occurrences.

5. Defendants attempt to avoid and mitigate liability by operating under one or more Seller Aliases to conceal both their identities and the full scope and interworking of their operation. Plaintiff has filed this action to combat Defendants' infringement of its patented invention, as well as to protect unknowing consumers from purchasing Infringing Products over the Internet. Plaintiff has been and continues to be irreparably damaged from the loss of its lawful patent rights to exclude others from making, using, selling, offering for sale, and importing its patented invention as a result of Defendants' actions and seeks injunctive and monetary relief.

## **THE PARTIES**

### **Plaintiff**

6. Plaintiff Guangdong Aoyun Technology Co Ltd is a limited liability company formed under Chinese law, with its principal place of business in Guangdong, China.

7. Aoyun is a leading technology company that designs, manufactures, and distributes innovative hand warmer products, including those featuring its patented combined type hand warmer technology (collectively, the “Aoyun Products”). Aoyun has invested significant time and resources in developing, advertising, promoting, distributing, and selling Aoyun Products to consumers worldwide, including in the United States, and Illinois. Aoyun Products have gained substantial popularity and are recognized for their quality and unique design, driven by Aoyun’s commitment to innovation and excellence. As a result, among the purchasing public, genuine Aoyun Products are readily identifiable. The Aoyun brand symbolizes high quality, and Aoyun Products are among the most recognized hand warmer products in the market.

8. Aoyun Products are known for their distinctive patented design and technology, which is widely recognized by consumers. Hand warmer products incorporating the patented invention in the ‘099 patent is associated with the quality and innovation that the public has come to expect from Aoyun Products.

9. Aoyun is the lawful owner of all right, title, and interest in and to the ‘099 patent, titled “Combined Type Hand Warmer,” which was issued on February 27, 2024. Genuine products are distributed and sold by authorized sellers through third-party platforms such as Amazon.com, Walmart.com and eBay.com, to consumers throughout the United States, including in Illinois.

### **Defendants**

10. Defendants are individuals and business entities of unknown makeup who own and/or operate one or more of the e-commerce stores under at least the Seller Aliases identified on

Schedule A and/or other seller aliases not yet known to Plaintiff. On information and belief, Defendants reside and/or operate in the People's Republic of China or other foreign jurisdictions with lax intellectual property enforcement systems, or redistribute products from the same or similar sources in those locations. Defendants have the capacity to be sued pursuant to Federal Rule of Civil Procedure 17(b).

11. On information and belief, Defendants either individually or jointly, operate one or more e-commerce stores under the Seller Aliases listed in Schedule A attached hereto. Tactics used by Defendants to conceal their identities and the full scope of their operation make it virtually impossible for Plaintiff to learn Defendants' true identities and the exact interworking of their network. If Defendants provide additional credible information regarding their identities, Plaintiff will take appropriate steps to amend the Complaint.

#### **DEFENDANTS' UNLAWFUL CONDUCT**

12. Plaintiff has identified various fully interactive, e-commerce stores, including those operating under the Seller Aliases, which were offering for sale and/or selling Infringing Products to consumers in this Judicial District and throughout the United States.

13. According to a U.S. Customs and Border Protection (CBP) report, in 2021, CBP made over 27,000 seizures of goods with intellectual property rights (IPR) violations totaling over \$3.3 billion, an increase of \$2.0 billion from 2020. *Intellectual Property Rights Seizure Statistics, Fiscal Year 2021*, U.S. Customs and Border Protection (attached hereto as **Exhibit 2**). Of the 27,000 in total IPR seizures, over 24,000 came through international mail and express courier services (as opposed to containers), most of which originated from China and Hong Kong. *Id.*

14. Third party service providers like those used by Defendants do not adequately subject new sellers to verification and confirmation of their identities, allowing counterfeiters to "routinely use false or inaccurate names and addresses when registering with these e-commerce

platforms.” See Daniel C.K. Chow, *Alibaba, Amazon, and Counterfeiting in the Age of the Internet*, 40 NW. J. INT’L L.&BUS. 157, 186 (2020) (attached hereto as **Exhibit 3**); see also report on “Combating Trafficking in Counterfeit and Pirated Goods” prepared by the U.S. Department of Homeland Security’s Office of Strategy, Policy, and Plans (Jan. 24, 2020) (attached hereto as **Exhibit 4**) and finding that on “at least some e-commerce platforms, little identifying information is necessary for a counterfeiter to begin selling” and recommending that “[s]ignificantly enhanced vetting of third-party sellers” is necessary. Counterfeiters hedge against the risk of being caught and having their websites taken down from an e-commerce platform by preemptively establishing multiple virtual store-fronts. Ex. 4 at p. 22. Since platforms generally do not require a seller on a third-party marketplace to identify the underlying business entity, counterfeiters can have many different profiles that can appear unrelated even though they are commonly owned and operated. *Id.* at p. 39. Further, “E-commerce platforms create bureaucratic or technical hurdles in helping brand owners to locate or identify sources of counterfeits and counterfeiters.” Ex. 3 at pp. 186-187.

15. Defendants have targeted sales to Illinois residents by setting up and operating e-commerce stores that target United States consumers using one or more Seller Aliases, offer shipping to the United States, including Illinois, accept payment in U.S. dollars and/or funds from U.S. bank accounts, and, on information and belief, have sold Infringing Products to residents of Illinois.

16. Defendants concurrently employ and benefit from substantially similar advertising and marketing strategies. For example, Defendants facilitate sales by registering e-commerce stores operating under the Seller Aliases so that they appear to unknowing consumers to be authorized online retailers, outlet stores, or wholesalers. E-commerce stores operating under the Seller Aliases appear sophisticated and accept payment in U.S. dollars and/or funds from U.S.

bank accounts via credit cards, Alipay, Amazon Pay, and/or PayPal. E-commerce stores operating under the Seller Aliases often include content and images that make it very difficult for consumers to distinguish such stores from an authorized retailer. Plaintiff has not licensed or authorized Defendants to use the '099 patent, and none of the Defendants are authorized retailers.

17. E-commerce store operators like Defendants commonly engage in fraudulent conduct when registering the Seller Aliases by providing false, misleading, and/or incomplete information to e-commerce platforms to prevent discovery of their true identities and the scope of their e-commerce operation.

18. E-commerce store operators like Defendants regularly register or acquire new seller aliases for the purpose of offering for sale and selling Infringing Products. Such seller alias registration patterns are one of many common tactics used by e-commerce store operators like Defendants to conceal their identities and the full scope and interworking of their operation, and to avoid being shut down.

19. Even though Defendants operate under multiple fictitious aliases, the e-commerce stores operating under the Seller Aliases often share unique identifiers, such as templates with common design elements that intentionally omit any contact information or other information for identifying Defendants or other Seller Aliases they operate or use. E-commerce stores operating under the Seller Aliases include other notable common features, such as use of the same registration patterns, accepted payment methods, check-out methods, keywords, advertising tactics, similarities in price and quantities, the same incorrect grammar and misspellings, and/or the use of the same text and images. Additionally, Infringing Products for sale by the Seller Aliases bear similar irregularities and indicia of being unauthorized to one another, suggesting that the

Infringing Products were manufactured by and come from a common source and that Defendants are interrelated.

20. E-commerce store operators like Defendants are in constant communication with each other and regularly participate in QQ.com chat rooms and through websites such as sellerdefense.cn and kuajingvs.com regarding tactics for operating multiple accounts, evading detection, pending litigation, and potential new lawsuits.

21. Infringers such as Defendants typically operate under multiple seller aliases and payment accounts so that they can continue operation despite Plaintiff's enforcement. E-commerce store operators like Defendants maintain offshore bank accounts and regularly move funds from their financial accounts to offshore accounts outside the jurisdiction of this Court to avoid payment of any monetary judgment awarded to Plaintiff. Indeed, analysis of financial account transaction logs from previous similar cases indicates that offshore infringers regularly move funds from U.S.-based financial accounts to offshore accounts outside the jurisdiction of this Court.

22. Defendants are working in active concert to knowingly and willfully manufacture, import, distribute, offer for sale, and sell Infringing Products in the same transaction, occurrence, or series of transactions or occurrences. Defendants, without any authorization or license from Plaintiff, have jointly and severally, knowingly and willfully offered for sale, sold, and/or imported into the United States for subsequent resale or use the same product that infringes directly and/or indirectly the '099 patent. Each e-commerce store operating under the Seller Aliases offers shipping to the United States, including Illinois, and, on information and belief, each Defendant has sold Infringing Products into the United States and Illinois over the Internet.

23. Defendants' infringement of the '099 patent in the making, using, offering for sale, selling, and/or importing into the United States for subsequent sale or use of the Infringing

Products was willful. Defendants' infringement of the '099 patent in connection with the making, using, offering for sale, selling, and/or importing into the United States for subsequent sale or use of the Infringing Products, including the making, using, offering for sale, selling, and/or importing into the United States for subsequent sale or use of Infringing Products into Illinois, is irreparably harming Plaintiff.

**COUNT I – PATENT INFRINGEMENT**  
**(35 U.S.C. § 271)**

24. Plaintiff hereby re-alleges and incorporates by reference the allegations set forth in the preceding paragraphs.

25. Defendants are making, using, offering for sale, selling, and/or importing into the United States for subsequent sale or use Infringing Products that infringe at least claim 1 of the '099 patent. Upon examination of the Infringing Product, each element of claim 1 of the '099 patent is met and practiced by the Infringing Products.

26. Defendants have infringed the '099 patent through the aforesaid acts and will continue to do so unless enjoined by this Court. Defendants' infringing conduct has caused Plaintiff to suffer irreparable harm resulting from the loss of its lawful patent rights to exclude others from making, using, selling, offering for sale, and importing the patented invention. Plaintiff is entitled to injunctive relief pursuant to 35 U.S.C. § 283.

27. Unless a preliminary and permanent injunction is issued enjoining Defendants and all others acting on in active concert therewith from infringing the Patent, Plaintiff will continue to be irreparably harmed.

28. Plaintiff is entitled to recover damages adequate to compensate for the infringement, but in no event less than a reasonable royalty for the use made of the invention by Defendants, together with interest and costs as fixed by the court, pursuant to 35 U.S.C. § 284.



**PRAYER FOR RELIEF**

WHEREFORE, Plaintiff prays for judgment against Defendants as follows:

- 1) That Defendants, their affiliates, officers, agents, servants, employees, attorneys, confederates, and all persons acting for, with, by, through, under or in active concert with them be temporarily, preliminarily, and permanently enjoined and restrained from:
  - a. making, using, offering for sale, selling, and/or importing into the United States for subsequent sale or use the Infringing Products;
  - b. aiding, abetting, contributing to, or otherwise assisting anyone in making, using, offering for sale, selling, and/or importing into the United States for subsequent sale or use of the Infringing Products; and
  - c. effecting assignments or transfers, forming new entities or associations or utilizing any other device for the purpose of circumventing or otherwise avoiding the prohibitions set forth in Subparagraphs (a) and (b).
- 2) Entry of an Order that, upon Plaintiff's request, those with notice of the injunction, including, without limitation, any online marketplace platforms such as eBay, AliExpress, Alibaba, Amazon, Wish.com, Walmart, Etsy, Temu, and DHgate (collectively, the "Third Party Providers") shall disable and cease displaying any advertisements used by or associated with Defendants in connection with the sale of the Infringing Products;
- 3) That Plaintiff be awarded such damages as it shall prove at trial against Defendants that are adequate to compensate Plaintiff for Defendants' infringement of the '099 patent, but in no event less than a reasonable royalty for the use made of the invention by the Defendants, together with interest and costs as fixed by the Court;

- 4) An increase of damages up to three times the amount found or assessed, pursuant to 35 USC § 284;
- 5) That Plaintiff be awarded its reasonable attorneys' fees and costs; and
- 6) Award any and all other relief that this Court deems just and proper.

**Jury Trial Demand**

Plaintiff hereby demands a jury trial on all issues so triable.

December 12, 2024

Respectfully submitted,

/s/ He Cheng

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