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CLERK OF DISTRICT COURT  
MIDDLE DISTRICT OF FLORIDA  
TAMPA, FLORIDA

**IN THE UNITED STATES DISTRICT COURT**

**FOR THE MIDDLE DISTRICT OF FLORIDA**

**Xiaohua Huang Pro Se,**

**Plaintiff,**

v.

**Meta Platforms, Inc.**

**Defendant.**

Civil Action No.: **8:23 cv 96 SDM-SPF**

**TRIAL BY JURY DEMANDED**

**COMPLAINT FOR INFRINGEMENT OF PATENT**

Plaintiff, Xiaohua Huang (“Plaintiff” or “Huang”), hereby files its Complaint for Patent Infringement against Defendant, THAT’S Meta Platforms, Inc. (“Meta” or “Defendant”) and respectfully alleges as follows:

**NATURE OF THE ACTION**

1. This is an civil action for patent infringement under the Patent Laws of the United States, 35 U.S.C. §101, et seq., to prevent and enjoin Defendant Meta Platforms, Inc. (hereinafter “Meta” or “Defendant”) from infringing and profiting, in an illegal and unauthorized manner and without authorization and/or consent from Plaintiff, from U.S. Patent No. RE45259 (the ‘RE259patent” or the “Patent”), which are attached hereto as Exhibit A and incorporated herein by reference, and pursuant to 35 U.S.C. §271, and to recover damages and costs.

**THE PARTIES**

2. Xiaohua Huang is an individual, he currently resides at Campbell, CA95008. Huang has developed the state of the art high speed and low power U.S. patented

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circuit and logic design to build high speed and low power IC chip since the year of 2000, one of those patents is US Patent RE45259.

3. Meta is or purports to be a company having its head quarter office address in 1601 Willow Road Menlo Park, CA 94025 ,United States with is website:

<https://investor.fb.com> and telephone number: 650 543 4800.

### **JURISDICTION AND VENUE**

4. This action arises under the patent laws of the United States, 35 U.S.C. § 101, et seq. This Court has jurisdiction over the subject matter of this action pursuant to 28 U.S.C. §§ 1331 and 1338(a). Venue is proper in this District pursuant to 28 U.S.C. §§1391(b) - (c) and 1400(b) in that Defendant has at least one office to do its business daily and regularly in this District.

### **BACKGROUND FACTUAL ALLEGATION**

5. A true and correct copy of the 'RE259patent is attached hereto as Exhibit A. The 'RE259patent is valid and owned by Plaintiff Mr. Huang as the inventor.

6. In Nov. 2000 "Huang" found CMOS Micro Device Inc.("CMOS") in Campbell, California. Huang is the owner of CMOS Micro Device, Inc. Huang developed advanced TCAM design in CMOS and invented many patented high speed and low power IC design circuit and logic such as the circuit and logic design claimed in the claim 29 of US patent RE45259. At least the claim 29 of US patent RE45259 read the circuit and logic design found in the IP block of the chip used in VR system of Meta Platforms, Inc.

### **THE INFRINGING PRODUCTS WHICH DEFENDNAT MAY HAVE SOLD AND BEING DEVELOPED**

7. Based on the information obtained that the products sold by Defendant, including but not limited to Meta Quest Pro, Oculus Quest 2 etc., contains the IC with the function which read the claim 29 of US patent RE45259.

8. Based on the information obtained that the products which were being developed

up to the end of 2022 in the Reality Labs of Defendant, including but not limited to the chips used in virtual reality (VR) and augmented reality (AR) hardware including virtual reality headsets contains the circuit and logic with the function which read the claim 29 of US patent RE45259.

**COUNT I: INFRINGEMENT OF U.S. PATENT NO. RE45259**

9. Plaintiff refers to and incorporates herein the allegations of Paragraphs 1-8 above.

10. On November 25, 2014 U.S. Patent No. RE45259 (the“RE259Patent”) was duly and legally issued for a “Hit ahead hierarchical scalable priority encoding logic and circuits.” A true and correct copy of the ‘RE259patent is attached hereto as Exhibit A. Xiaohua Huang as inventor is the owner of all rights, title, and interest in and to the ‘RE259 patent.

11 On information and belief, Defendant has infringed and continue to infringe directly, indirectly, literally, on Doctrine of Equivalent one or more of the claims of the‘RE259 patent through selling virtual reality (VR) and augmented reality (AR) hardware including but not limited to Meta Quest Pro, Oculus Quest 2 etc., those devices containing circuit and logic function which have infringed at least claim 29 of the ‘RE259 patent under 35 U.S.C. § 271(a), (b) and(c).

12. On information and belief, Defendant has induced its Customers to have infringed and continue to infringe directly, indirectly, literally, on Doctrine of Equivalent the claim 29 of the ‘RE259 patent by using the devices which infringes the claim 29 of ‘RE259 patent. The Customers of the Defendant uses the function of image sensor and Digital to Analog convertor which contains the circuit and logic reading the claim 29 of the ‘RE259 patent. The using of function of image sensor and Digital to Analog convertor in accused devices are completely not a staple article or commodity of commerce suitable for substantial non-infringing use.

13. Defendant's acts of infringement, inducing infringement have caused damage to Xiaohua Huang, and Xiaohua Huang is entitled to recover from Defendant for the damages sustained by Xiaohua Huang as a result of Defendant's wrongful acts in an amount subject to proof at trial. Defendant's infringement of Xiaohua Huang exclusive rights under the 'RE259 patent will continue to damage Xiaohua Huang, causing irreparable harm for which there is no adequate remedy at law, unless enjoined by this Court. Defendant's infringement entitle Xiaohua Huang to recover damages under 35 U.S.C. § 284 and to legal fees and costs incurred in prosecuting this action under 35 U.S.C. § 285.

### **JURY DEMAND**

14. Pursuant to Fed. R. Civ. P. 38(b), Plaintiff Xiaohua Huang requests a trial by jury on all issues.

### **PRAYER FOR RELIEF**

WHEREFORE, Xiaohua Huang prays for the following relief:

- (a). A judgment in favor of Xiaohua Huang that Defendant has infringed and is infringing U.S. Patent No RE45259;
- (b). A judgment that the 'RE259 patent is valid and enforceable;
- (c). An order preliminarily and permanently enjoining Defendant and its subsidiaries, parents, officers, directors, agents, servants, employees, affiliates, attorneys and all others in active concert or participation with any of the foregoing, from further acts of infringement of the 'RE259;
- (d). An accounting for damages resulting from Defendant's infringement of the 'RE259 patent under 35 U.S.C. § 284;
- (e). An assessment of interest on damages;

(f). A judgment awarding damages to Xiaohua Huang for its costs, disbursements, expert witness fees, and legal fees and costs incurred in prosecuting this action, with interest pursuant to 35 U.S.C. § 285 and as otherwise provided by law;

(g). Such other and further relief as this Court may deem just and equitable.

Dated: January 7, 2023

Respectfully Submitted,

A handwritten signature in black ink, appearing to be 'XH' or similar initials, written in a cursive style.

Xiaohua Huang

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Exhibit A US patent RE45259