



Texas 78728; 6625 Excellence Way Plano, Texas 75023; and 1301 E. Lookout Drive, Richardson, Texas 75082.

4. SEA may be served through its registered agent for service of process, CT Corporation System, 1999 Bryan St., Suite. 900, Dallas, Texas 75201.

5. On information and belief, Defendant SEC is composed of three business units. One business unit (the CE Division) makes and sells consumer electronics, such as televisions and refrigerators. A second business unit (Mobile Division) makes and sells mobile devices, such as smartphones and tablets. A third business unit (LSI Division) makes and sells semiconductor chips, such as application processors, which are incorporated into smartphones, such as those made and sold by the Mobile Division.

6. On information and belief, Defendant SEA is the U.S. subsidiary that sells Samsung's consumer electronics and mobile devices in the United States, including those that incorporate the infringing technologies.

7. On information and belief, Samsung maintains authorized sellers and sales representatives that offer and sell products pertinent to this Complaint throughout the State of Texas, including this District and to consumers throughout this District, such as: AT&T Store at 4330 W Waco Drive, Waco, Texas 76710; Verizon Authorized Retailer at 2812 W Loop 340, Suite #H-12, Waco, Texas, 76711; Best Buy at 4627 S Jack Kultgen Expy, Waco, Texas 76706; and Amazon.com.

### **JURISDICTION AND VENUE**

8. This is an action for patent infringement arising under the patent laws of the United States, Title 35, United States Code. Jurisdiction as to these claims is conferred on this Court by 35 U.S.C. §§1331 and 1338(a).

9. This Court has personal jurisdiction over Samsung because, directly or through intermediaries, each has committed acts within the Western District of Texas giving rise to this action and/or has established minimum contacts with the Western District of Texas such that the exercise of jurisdiction would not offend traditional notions of fair play and substantial justice.

10. For example, Defendant SEA maintains regular and established place offices in the Western District of Texas, including at 12100 Samsung Blvd, Austin, Texas 78754 and 2800 Wells Branch Pkwy, Austin, Texas 78728.

11. Further, on information and belief, Defendant SEC directs and controls the actions of Defendant SEA such that it too maintains regular and established offices in the Western District of Texas, including at 12100 Samsung Blvd, Austin, Texas 78754, and 2800 Wells Branch Pkwy, Austin, Texas 78728.

12. Defendant SEC also owns and operates a manufacturing facility in Austin, Texas.

13. In addition, Samsung has placed or contributed to placing infringing products into the stream of commerce via an established distribution channel knowing or understanding that such products would be sold and used in the United States, including in the Western District of Texas.

14. This Court has specific personal jurisdiction over Defendants at least in part because Defendants conduct business in this Judicial District. SVVTI's causes of action arise, at least in part, from Defendant's contacts with and activities in the State of Texas and this Judicial District. Upon information and belief, the Defendants have committed acts of infringement within the State of Texas and this Judicial District by, *inter alia*, directly and/or indirectly making, using, selling, offering to sell, or importing products that infringe one or more claims of SVVTI's patents described below. Defendants' infringing acts within this Judicial District give rise to this action and have established minimum contacts with the forum state of Texas.

15. On information and belief, Samsung also has derived substantial revenues from infringing acts in this Judicial District, including from the sale and use of infringing products including, but not limited to, the products accused of infringement below.

16. Defendants have established minimum contacts with this forum such that the exercise of jurisdiction over Defendants would not offend traditional notions of fair play and substantial justice.

17. Venue in this Judicial District is proper as to SEC under 28 U.S.C. § 1391(c)(3) because it is a foreign corporation.

18. On information and belief, each Defendant exercises direction and control over the performance of each other Defendant, or they form a joint enterprise such that the performance by one Defendant is attributable to each other Defendant.

### **FACTUAL BACKGROUND**

19. SVVTI was founded in 2000 by Dr. Sergiy Vasylyev, a scientist and prolific inventor.

20. Dr. Sergiy Vasylyev has an academic background and more than 20 years of research experience in physical sciences. He received a M.S. equivalent in Physics and Astronomy from the Kharkiv State University, Ukraine in 1992 and a Ph.D. in Physics and Mathematics from the Main Astronomical Observatory of National Academy of Sciences of Ukraine in 1996. From 1996 to 1999, he worked with several major academic research institutions and was involved in diverse research projects in the areas of space physics and solar energy. After immigrating to the U.S., in 2000, Dr. Vasylyev founded SVV Technology Innovations, Inc. to develop and commercialize his ideas in several technical fields ranging from optics and information technology to solar energy and lighting. Dr. Vasylyev is the author of approximately fifty patents and dozens of patent applications, has had numerous talks and presentations at the national and

international conferences related to space physics, solar energy and lighting and has authored/co-authored over 30 scientific and technical publications. Dr. Vasylyev's broad technical expertise areas include IT/IOT, optics, photonics, lightguide-based illumination systems, solar energy, daylighting, and solid-state lighting.

21. Since its inception, SVVTI has been a vehicle for developing and commercializing Dr. Vasylyev's inventions, particularly being dedicated to creating impactful technology solutions that find utility in energy efficiency, renewable energy and certain types consumer products. One technology focus is optical advances that enhance solar energy harvesting and save energy in illumination systems.

22. SVVTI has invented and validated several ground-breaking technology solutions and has accumulated an extensive knowledge and built a diverse IP portfolio in optics, photonics, solar energy, daylighting and solid-state lighting fields. SVVTI has received innovation awards from TechConnect and Cleantech Open.

23. SVVTI has developed and demonstrated several novel types of optical collectors for solar energy applications, significantly improving over the traditional technologies in terms of material intensity, concentration ratio, beam uniformity and solar-to-electric conversion efficiency.

24. Another notable technology developed by SVVTI is a unique daylight redirecting film material (Daylighting Fabric®) which is applied to windows of a building façade to redirect natural daylight deep into the interior space for improving natural illumination and saving energy used for lighting.

25. SVVTI has also developed and demonstrated various types of innovative wide-area illumination panels and backlights employing light guides and light emitting diodes (LEDs). These panels can be tailored for specific applications and improving various characteristics of

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