

**IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF TEXAS  
MARSHALL DIVISION**

<b>MARINER IC INC.,</b>	§	
	§	
	§	
<b>Plaintiff,</b>	§	<b>Case No. 2:16-CV-00525-JRG-RSP</b>
	§	<b>(LEAD CASE)</b>
<b>v.</b>	§	
	§	
<b>FUNAI ELECTRIC CO., LTD., ET AL.,</b>	§	<b>JURY TRIAL DEMANDED</b>
	§	
<b>Defendants.</b>	§	

**FIRST AMENDED COMPLAINT FOR PATENT INFRINGEMENT**

Plaintiff Mariner IC Inc. (“Mariner” or “Plaintiff”), for its Complaint against Defendants Toshiba Corporation, Toshiba America, Inc., Toshiba America Information Systems, Inc., and Toshiba Visual Solutions Corporation (collectively “Defendants” or “Toshiba”) alleges as follows:

**THE PARTIES**

1. Mariner is a corporation organized and existing under the laws of the State of Texas, with its principal place of business located at 100 W. Houston Street, Marshall, Texas 75670.

2. Defendant Toshiba Corporation (“Toshiba Corp.”) is a Japanese corporation that maintains its principal place of business in Tokyo, Japan. Toshiba Corp. may be served with process through its Officers and/or Directors at its corporate headquarters at 1-1, Shibaura 1-chrome, Minato-ku, Tokyo 105-8001, Japan. Upon information and belief, Toshiba Corp. does business in Texas, directly or through intermediaries.

3. Upon information and belief, Toshiba America, Inc. (“TAI”) is a Delaware corporation with a place of business located at 1251 Avenue of the Americas, Suite 4110, New York, New York 10020. TAI may be served with process in the State of Texas through its registered agent, CT Corporation System, 1999 Bryan Street, Suite 900, Dallas, Texas 75201.

4. Defendant Toshiba America Information Systems, Inc. (“TAIS”) is a California corporation with its principal place of business at Irvine, California. TAIS may be served with process through its registered agent, CT Corporation System, located at 1999 Bryan Street, Suite 900, Dallas, Texas 75201.

5. Upon information and belief, Toshiba Visual Solutions Corporation (“TVS”) is a Delaware corporation with a place of business located at 25-1 Ekimaehoncho, Kawasaki-Ku Kawasaki, Kanagawa, 210-0007, Japan. Upon information and belief, TVS does business in Texas, directly or through intermediaries.

6. On information and belief, TAIS is a wholly-owned subsidiary of TAI, which is, in turn, a wholly-owned subsidiary of Toshiba Corp. On information and belief, TVS is a wholly-owned subsidiary of Toshiba Corp.

### **JURISDICTION**

7. This is an action for patent infringement arising under the patent laws of the United States, 35 U.S.C. §§ 1, *et seq.* This Court has jurisdiction over this action pursuant to 28 U.S.C. §§ 1331 and 1338(a).

8. This Court has personal jurisdiction over Defendants. Defendants conduct business in this judicial district and have committed acts of patent infringement in this judicial district, the State of Texas, and elsewhere in the United States.

9. Venue is proper in this judicial district pursuant to 28 U.S.C. §§ 1391(b), 1391(c) and 1400(b) because, among other things, Defendants are subject to personal jurisdiction in this judicial district, Defendants have regularly conducted business in this judicial district, and certain of the acts complained of herein occurred in this judicial district.

### **PATENTS-IN-SUIT**

10. On July 22, 1997, the United States Patent and Trademark Office duly and legally issued U.S. Patent No. 5,650,666 (the “’666 Patent”) entitled “Method and Apparatus for Preventing Cracks in Semiconductor Die.” A true and correct copy of the ’666 Patent is attached hereto as Exhibit A.

11. On December 8, 1998, the United States Patent and Trademark Office duly and legally issued U.S. Patent No. 5,846,874 (the “’874 Patent”) entitled “Method and Apparatus for Preventing Cracks in Semiconductor Die.” A true and correct copy of the ’874 Patent is attached hereto as Exhibit B.

12. Mariner is the sole and exclusive owner of all right, title and interest in the ’666 Patent and ’874 Patent (together, the “Patents-In-Suit”), and holds the exclusive right to take all actions necessary to enforce its rights to the Patents-In-Suit, including the filing of this patent infringement lawsuit. Mariner also has the right to recover all damages for past, present, and future infringement of the Patents-In-Suit and to seek injunctive relief as appropriate under the law.

### **FACTUAL ALLEGATIONS**

13. The Patents-In-Suit generally cover anchor structures that are placed in the corners and around the edges of a semiconductor die to prevent cracks in the die due to stress. The anchor structures are positioned at a 45-degree angle to the sides of the die and are

comprised of at least a substrate layer, a metal layer and an oxide layer. The placement of the anchor structures more uniformly distributes stresses along the anchor preventing cracks at the corners of the die.

14. Semiconductors using anchor structures of the type taught and disclosed in the Patents-In-Suit are found in many high definition televisions, hard drives, touch screen controllers, and other widely available products. These semiconductors include system-on-chip (“SoC”) integrated circuits.

**COUNT I**  
**(Infringement of the '666 Patent)**

15. Paragraphs 1 through 14 are incorporated herein by reference as if fully set forth in their entireties.

16. Mariner has not licensed or otherwise authorized Defendants to make, use, offer for sale, sell, or import any products that embody the inventions of the '666 Patent.

17. Defendants have and continue to directly infringe the '666 Patent, either literally or under the doctrine of equivalents, without authority and in violation of 35 U.S.C. § 271, by making, using, offering to sell, selling and/or importing into the United States products that satisfy each and every limitation of one or more claims of the '666 Patent. Upon information and belief, these products include Toshiba Televisions that include MStar integrated circuits including, but not limited to the MStar MSD8841CV. By way of example, infringing Toshiba Televisions include the Toshiba 50L4300U, which televisions include MStar integrated circuits, such as the MStar MSD8841CV.

18. Mariner has suffered damages as a result of Defendants' direct infringement of the '666 Patent in an amount to be proved at trial.

19. Mariner has suffered, and will continue to suffer, irreparable harm as a result of Defendants' infringement of the '666 Patent, for which there is no adequate remedy at law, unless Defendants' infringement is enjoined by this Court.

**COUNT II**  
**(Infringement of the '874 Patent)**

20. Paragraphs 1 through 19 are incorporated herein by reference as if fully set forth in their entireties.

21. Mariner has not licensed or otherwise authorized Defendants to make, use, offer for sale, sell, or import any products that embody the inventions of the '874 Patent.

22. Defendants have and continue to directly infringe the '874 Patent, either literally or under the doctrine of equivalents, without authority and in violation of 35 U.S.C. § 271, by making, using, offering to sell, selling and/or importing into the United States products made by the method claimed in one or more claims of the '874 Patent. Upon information and belief, these products include Toshiba Televisions that include MStar integrated circuits including, but not limited to the MStar MSD8841CV. By way of example, infringing Toshiba Televisions include the Toshiba 50L4300U, which televisions include MStar integrated circuits, such as the MStar MSD8841CV SoC.

23. Mariner has suffered damages as a result of Defendants' direct infringement of the '874 Patent in an amount to be proved at trial.

**DEMAND FOR JURY TRIAL**

Plaintiff hereby demands a jury for all issues so triable.

**PRAYER FOR RELIEF**

WHEREFORE, Mariner prays for relief against Defendants as follows:

a. Entry of judgment declaring that Defendants have directly infringed one or more

claims of each of the Patents-In-Suit;

b. An order awarding damages sufficient to compensate Mariner for Defendants' infringement of the Patents-In-Suit, but in no event less than a reasonable royalty, together with interest and costs;

c. Entry of judgment declaring that this case is exceptional and awarding Mariner its costs and reasonable attorney fees under 35 U.S.C. § 285; and

d. Such other and further relief as the Court deems just and proper.

Dated: March 9, 2017

Respectfully submitted,

**BROWN RUDNICK LLP**

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**ATTORNEYS FOR PLAINTIFF,  
MARINER IC INC.**

**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that, on March 9, 2017, all counsel of record who are deemed to have consented to electronic service are being served with a copy of this document via the Court's CM/ECF system per Local Rule CV-5(a)(3).

*/s/ Alfred R. Fabricant*

Alfred R. Fabricant