### UNITED STATES DISTRICT COURT WESTERN DISTRICT OF TEXAS WACO DIVISION

Vervain, LLC	
Plaintiff,	Civil Action No. 6:21-cv-487-ADA
ν.	
Micron Technology, Inc.; Micron Semiconductor Products, Inc.; and Micron Technology Texas, LLC	
Defendants.	
Vervain, LLC	
Plaintiff,	Civil Action No. 6:21-cv-488-ADA
v.	
Western Digital Corporation; Western Digital Technologies Inc.; and HGST, Inc.	
Defendants.	

### VERVAIN'S SUR-REPLY CLAIM CONSTRUCTION BRIEF

### **TABLE OF CONTENTS**

TABL	E OF A	UTHORITIES	ii		
TABL	E OF E	XHIBITS	. iii		
DISPU	JTED C	LAIM CONSTRUCTIONS (PLAIN MEANING TERMS)	. iv		
DISPU	JTED C	LAIM CONSTRUCTIONS (NOT INDEFINITE TERMS)	v		
I.	INTRODUCTION1				
II.	THE P	LAIN MEANING TERMS	1		
	A.	"SLC non-volatile memory" (298:1, 5; 385:1, 5; 240:1, 6; 300:1, 3, 4, 7, 12)	1		
	B.	"MLC non-volatile memory" (298:1, 4; 385:1, 4; 240:1, 6; 300:1, 3, 4, 12)	1		
	C.	"data integrity test" (298:1; 385:1; 240:1, 6; 300:1, 12)	3		
	D.	"comparing the stored data to the retained data in the random access volatile memory" (300:1, 12)	6		
	E.	"to achieve enhanced endurance" (300:1, 12)	8		
III.	THE N	NOT INDEFINITE TERMS	.10		
	A.	"the list of logical address ranges having a minimum quanta of addresses" (298:1; 385:1; 240:1, 6)	.10		
	B.	The wherein clause in 240:1	.11		
	C.	The wherein clause in 240:6	.12		
	D.	"wherein the mapping is performed as necessitated by the system to maximize lifetime" (300:1, 12)	.12		
	E.	"wherein a failure of the data integrity test performed by the controller results in a remapping of the address space to a different physical range of addresses and transfer of data corresponding to the stored data to those remapped physical addresses" (300:1, 12)	.14		
IV.	CONC	LUSION	.15		

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### **TABLE OF AUTHORITIES**

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### CASES

Exhibit	Description
25	U.S. Patent Application Publication No. 2009/0172267 ("Oribe")
26	U.S. Patent Application Publication No. 2010/0172179 ("Gorobets")
27	U.S. Patent Application Publication No. 2008/0181000 ("Lasser")
28	U.S. Patent Application Publication No. 2009/0268513 ("De Ambroggi")
29	U.S. Patent Application Publication No. 2011/0271043 ("Segal")
30	Arpaci-Dusseau, Operating Systems: Three Easy Pieces, chapter 43 (2013), available at: <u>http://web.archive.org/web/20131013025741/https://pages.cs.wisc.edu/~remzi/OST</u> <u>EP/file-integrity.pdf</u>

### **TABLE OF EXHIBITS**

#	Claim(s)	Terms	Vervain	Micron	WD <sup>1</sup>
1	298:1, 5 385:1, 5 240:1, 6 300:1, 3, 4, 7, 12	SLC non-volatile memory SLC nonvolatile memory	Plain and ordinary meaning, where the plain and ordinary meaning is "nonvolatile memory that stores one bit of information per cell"		non-volatile memory where each cell is capable of storing no more than one bit of information per cell
2	298:1, 4 385:1, 4 240:1, 6 300:1, 3, 4, 12	MLC non-volatile memory MLC nonvolatile memory	Plain and ordinary meaning, where the plain and ordinary meaning is "nonvolatile memory that stores multiple bits of information per cell"		non-volatile memory where each cell is capable of storing multiple bits of information per cell
3	298:1 385:1 240:1, 6 300:1, 7, 12	data integrity test	Plain and ordinary meaning	Current proposal: "testing data for errors after the data has been written to flash" Former proposal: Plain and ordinary meaning, which is "a test conducted on data after it has been written to flash to ensure that the data was written correctly"	
4	300:1, 12	comparing the stored data to the retained data in the random access volatile memory	Plain and ordinary meaning	comparing the data obtained by reading the nonvolatile memory space to the data retained as part of a Write access operation, wherein both sets of the data are in the same random access volatile memory	
5	300:1, 12	to achieve enhanced endurance	Plain and ordinary meaning	Plain and ordinary meaning, which is "to achieve endurance (i.e., lifetime) superior to that of the MLC nonvolatile memory element	

### **DISPUTED CLAIM CONSTRUCTIONS (PLAIN MEANING TERMS)**

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<sup>&</sup>lt;sup>1</sup> All 10 terms were identified by Defendants. Terms 1-2, 6, and 9 were identified by Western Digital (WD), and Micron takes no position. Terms 3, 5, and 10 were identified by Micron, and WD takes no position. Terms 4 and 7-8 were identified by Micron and WD.

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