

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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SAMSUNG ELECTRONICS CO., LTD.  
Petitioner

v.

CALIFORNIA INSTITUTE OF TECHNOLOGY  
Patent Owner

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Patent No. 7,916,781

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**DECLARATION OF MATTHEW C. VALENTI, PH.D., P.E.  
IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW  
OF U.S. PATENT NO. 7,916,781**

## TABLE OF CONTENTS

I.	INTRODUCTION .....	1
II.	BACKGROUND AND QUALIFICATIONS .....	2
III.	MATERIALS REVIEWED .....	7
IV.	PERSON OF ORDINARY SKILL IN THE ART AND THE TIME OF THE ALLEGED INVENTION .....	9
V.	TECHNICAL BACKGROUND .....	10
A.	Error Control Coding .....	10
B.	Matrix Multiplication and Modulo-2 Arithmetic.....	12
VI.	THE '781 PATENT.....	15
VII.	CLAIM CONSTRUCTION .....	18
VIII.	OVERVIEW OF THE PRIOR ART .....	19
A.	<i>Kobayashi</i> (Ex. 1005).....	19
B.	<i>McEliece</i> (Ex. 1006).....	24
IX.	THE PRIOR ART DISCLOSES AND/OR SUGGESTS THE RECITED FEATURES OF CLAIMS 1-18 AND 21-22 OF THE '781 PATENT .....	29
A.	<i>Kobayashi</i> Discloses the Features of Claims 1-2, 10-14, 17-18, and 21-22.....	29
1.	Claim 1 .....	29
2.	Claim 2.....	42
3.	Claim 10.....	45
4.	Claim 11 .....	46
5.	Claim 12.....	47
6.	Claim 13.....	47

Declaration of Matthew C. Valenti, Ph.D., P.E.  
U.S. Patent No. 7,916,781

7.	Claim 14.....	51
8.	Claim 17.....	51
9.	Claim 18.....	52
10.	Claim 21.....	52
11.	Claim 22.....	55
B.	<i>Kobayashi</i> Discloses and/or Suggests the Features of Claims 3-9, 15-16, and 21-22.....	57
1.	Claim 3.....	57
2.	Claim 4.....	60
3.	Claim 5.....	60
4.	Claim 6.....	67
5.	Claim 7.....	68
6.	Claim 8.....	70
7.	Claim 9.....	71
8.	Claim 15.....	72
9.	Claim 16.....	72
10.	Claim 21.....	72
11.	Claim 22.....	75
C.	<i>Kobayashi</i> in View of <i>McEliece</i> Discloses and/or Suggests the Features of Claims 5-9.....	78
1.	Claim 5.....	78
2.	Claim 6.....	87
3.	Claim 7.....	87
4.	Claim 8.....	90

Declaration of Matthew C. Valenti, Ph.D., P.E.

U.S. Patent No. 7,916,781

5.	Claim 9.....	92
X.	CONCLUSION.....	96

I, Matthew C. Valenti, Ph.D., P.E., declare as follows:

## I. INTRODUCTION

1. I have been retained by Samsung Electronics Co., Ltd. (“Petitioner”) as an independent expert consultant in this proceeding before the United States Patent and Trademark Office (“PTO”) against California Institute of Technology (“Patent Owner”) regarding U.S. Patent No. 7,916,781 (“the ’781 patent”) (Ex. 1001).<sup>1</sup> I have been asked to consider whether certain references disclose or suggest the features recited in claims 1-18 and 21-22 (“the challenged claims”) of the ’781 patent. My opinions are set forth below.

2. I am being compensated at a rate of \$525/hour for my work in this proceeding. My compensation is in no way contingent on the nature of my findings, the presentation of my findings in testimony, or the outcome of this or any other proceeding. I have no other interest in this proceeding.

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<sup>1</sup> Where appropriate, I refer to exhibits that I understand are to be attached to the petition for *inter partes* review of the ’781 patent.

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