UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD., SAMSUNG ELECTRONICS AMERICA, INC., APPLE INC.

Petitioners

v.

NEONODE SMARTPHONE LLC Patent Owner.

Case IPR2021-00145 U.S. Patent No. 8,812,993

SUPPLEMENTAL DECLARATION OF DR. BENJAMIN B. BEDERSON IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 8,812,993

EXHIBIT 1051

Sameung of al v Noonodo



TABLE OF CONTENTS

Co			4
\mathbf{C}	n	Г С 1	ntc
\sim	11	u	1110

I.	INTRODUCTION4			4	
II.	BACKGROUND AND QUALIFICATIONS4				
III.	INFORMATION CONSIDERED5				
IV.	RELEVANT LEGAL STANDARDS9			9	
V.	SUMMARY OF MY OPINIONS9				
VI.	THE '993 PATENT				
	A.	Priori	ity Date	10	
	B.	Level	l of Ordinary Skill in the Art	10	
	C. Claim Construction				
		1.	"An electronic device" (Claim 1, Preamble)	12	
		2.	"tap-activatable" (Claim 1, limitation [1.b])	14	
		3.	"system function(s)" (Claim 1, limitation [1.b])	16	
VII.	DETA	AILED	EXPLANATION OF UNPATENTABILITY	21	
	A.	Hisat	ns 1-8 are rendered obvious by combinations based on omi (EX1005) in view of POSA Knowledge and/or Ren 006)	21	
		1.	Ren Teaches a POSA to Try Direct Off ("tap").	21	
		2.	A POSA, Given Hisatomi, Would Have Used Their Design Knowledge to Implement "tap-activable" Icons	29	
		3.	Hisatomi discloses "icons for a respective plurality of pre-designated system functions."	37	
	В.		n 4 is Obvious over Hisatomi, Ren/POSA Knowledge, and d	42	

EXHIBIT 1051

Samsung of al v Noonodo



IPR2021-00145 ('993 Patent) Bederson Decl. ISO Reply

		1.	Allard is Analogous Art	42
		2.	A POSA Would Have Been Motivated to Make Hisatomi's Icon a Help Function in View of Allard	44
	C.		ns 1-8 are rendered obvious by combinations based on en (EX1029) in view of Gillespie (EX1030)	45
		1.	Hansen Discloses an "Electronic Device," Under That Term's Plain and Ordinary Meaning	46
		2.	Hansen discloses "icons for a respective plurality of pre- designated system functions."	49
		3.	A POSA Would Have Ample Motivation to Combine Hansen and Gillespie.	50
VIII.	SECO	ONDA	RY CONSIDERATIONS OF NON-OBVIOUSNES	53
	A.	Alleg	ed Commercial Success	55
	B.	Industry Praise5		56
	C.	Skept	icism by Experts	57
	D.	Indus	try Respect	58
IV	COM	CLLIC	ION	50



Samsung of al v Noonodo



1. I, Dr. Benjamin B. Bederson, declare as follows:

I. INTRODUCTION

- 2. I have been retained by Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., and Apple Inc. (collectively, "Petitioners") as an independent expert consultant in this *inter partes* review ("IPR") proceeding before the United States Patent and Trademark Office ("patent office").
- 3. I have been asked by Petitioners' counsel ("Counsel") to consider whether certain references teach or suggest the features recited in Claims 1-8 of U.S. Patent No. 8,812,993 ("the '993 Patent") (EX1001).
- 4. I previously submitted a Declaration in this proceeding that I signed on November 5, 2020, and I understand that Declaration was marked as Exhibit 1002. That Declaration contained my opinions and the bases for them. Since submitting my Declaration (EX1002) I have considered the Board's institution decision (Paper 24), Patent Owner's Response (Paper 29), and the Declaration of Dr. Craig Rosenberg (EX2013) in support of Patent Owner's Response. My opinions from my previous declaration have not changed.

II. BACKGROUND AND QUALIFICATIONS

5. My background and qualifications are set forth in my November 5, 2020 declaration. I incorporate that section of my previous declaration here by reference.

EXHIBIT 1051
Samsung et al. v. Neonode



III. INFORMATION CONSIDERED

6. In preparing this declaration, I have considered the materials discussed in this declaration, including, for example, the '993 Patent, the references cited by the '993 Patent, the prosecution histories of the '993 Patent and the application from which it derives (including the references cited therein), various background articles and materials referenced in this declaration, and the prior art references identified in this declaration. In addition, my opinions are further based on my education, training, experience, and knowledge in the relevant field.

Exhibit No.	<u>Description</u>
1001	U.S. Patent No. 8,812,993 ("the '993 patent")
1002	Declaration of Benjamin B. Bederson
1003	File History for U.S. Patent No. 8,812,993
1004	Benjamin B. Bederson CV
1005	Certified translation of JP Published Patent Application No. 2002-55750 ("Hisatomi"), published February 20, 2002
1006	Xiangshi Ren & Shinji Moriyama, "Improving Selection on Pen-Based Systems: A Study of Pen-Based Interaction for Selection Tasks," ACM Transactions on Computer-Human Interaction, Vol. 7, No. 3, September 2000, pp. 384-416 ("Ren")
1007	U.S. Patent No. 5,422,656 to Allard et al. ("Allard-656")
1008	U.S. Patent No. 5,249,296 to Tanaka ("Tanaka")
1009	U.S. Patent No. 5,615,384 to Allard et al. ("Allard-384")
1010	U.S. Patent No. 5,537,608 to Beatty et al. ("Beatty")
1011	U.S. Patent No. 5,903,268 to Hirayama ("Hirayama")

EXHIBIT 1051

Sameuno et al v Nonnado



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