UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD
LG ELECTRONICS INC.,
Petitioners,
v.
PARKERVISION, INC.,
Patent Owner.
Case IPR2022-00245
U.S. Patent No. 7,110,444
DECLARATION OF DEAN P. NEIKIRK, PH.D.

**REGARDING U.S. PATENT NO. 7,110,444** 



I, Dean P. Neikirk, Ph.D., do hereby declare and state, that all statements are made herein of my own knowledge are true and that all statements made on information and belief are believed to be true. I am over the age of 21 and am competent to make this declaration. These statements were made with the knowledge that willful false statements are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Dated: December 17, 2021

Dean P. Neikirk, Ph.D.

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### **TABLE OF CONTENTS**

I.	QUALIFICATIONS						
II.	MATERIALS REVIEWED						
III.	PERSON OF ORDINARY SKILL IN THE ART10						
IV.	STANDARDS OF ANTICIPATION AND OBVIOUSNESS12						
V.	BACKGROUND TECHNOLOGY						
	A.	Wireless Signals	23				
	B.	"Up-Conversion" and "Down-Conversion"	24				
VI.	OVERVIEW OF THE '444 PATENT						
	A.	Alleged Problem	24				
	B.	Alleged Invention	24				
	C.	Patent Owner Added Insignificant Limitations To Obtain the Challenged Claims	28				
VII.	CLAIM CONSTRUCTION						
	A.	"frequency down-conversion module" (Claims 2 and 3)	30				
	B.	"subtractor module" (Claims 2, 3)	31				
	C.	"under-sample" (Claim 2)	33				
VIII.	OVERVIEW OF THE PRIOR ART REFERENCES						
	A.	Tayloe	34				
	B.	TI Datasheet	39				
	C.	Lam	41				
	D.	Enz	43				
	E.	Motivation to Combine	48				



		1.	Taylo	be with TI Datasheet	48
		2.	Lam	with Enz and Tayloe	51
IX.	SPE	CIFIC	GROU	UNDS FOR PETITION	53
	A.			Claims 2 and 3 Are Obvious Over Tayloe in View of T	
		1.	Indep	pendent Claim 2	53
			(a)	Element [2-preamble]: "A wireless modem apparatus, comprising"	53
			(b)	Element [2A]: "a receiver for frequency down-converting an input signal including"	55
			(c)	Element [2B]: "a first frequency down-conversion module to down-convert the input signal, wherein said first frequency down-conversion module down-converts said input signal according to a first control signal and outputs a first down-converted signal"	56
			(d)	Element [2C]: "a second frequency down-conversion module to down-convert the input signal, wherein said second frequency down-conversion module down-converts said input signal according to a second control signal and outputs a second down-converted signal"	64
			(e)	Element [2D]: "a subtractor module that subtracts said second down-converted signal from said first down-converted signal and outputs a down-converted signal"	69
			(f)	Element [2E]: "wherein said first frequency down-conversion module under-samples said input signal according to said first control signal, and"	
			(g)	Element [2F]: "said second frequency down-conversion module under-samples said input signal according to said second control signal"	74
		2.	Indep	pendent Claim 3	75



		(a)	apparatus, comprising"76			
		(b)	Element [3A]: "a receiver for frequency down-converting an input signal including"			
		(c)	Element [3B]: "a first frequency down-conversion module to down-convert the input signal, wherein said first frequency down-conversion module down-converts said input signal according to a first control signal and outputs a first down-converted signal"			
		(d)	Element [3C]: "a second frequency down-conversion module to down-convert said input signal, wherein said second frequency down-conversion module down-converts said input signal according to a second control signal and outputs a second down-converted signal; and"			
		(e)	Element [3D]: "a subtractor module that subtracts said second down-converted signal from said first down-converted signal and outputs a down-converted signal"			
		(f)	Element [3E]: "wherein said first and said second frequency down-conversion modules each comprise a switch and a storage element"			
В.	Grou and	nd II:	Claims 2, 3 and 4 Are Obvious Over Lam in View of Enz			
	Tayloe79					
	1.	Indep	pendent Claim 279			
		(a)	Element [2-preamble]: "A wireless modem apparatus, comprising"79			
		(b)	Element [2A]: "a receiver for frequency down-converting an input signal including"80			
		(c)	Element [2B]: "a first frequency down-conversion module to down-convert the input signal, wherein said first frequency down-conversion module down-converts said input signal according to a first			



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