UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD ROKU, INC., Petitioner, v. UNIVERSAL ELECTRONICS, INC., Patent Owner.

PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 7,589,642

Case IPR2019-01612 U.S. Patent 7,589,642

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		2. [1.1]: "receiving a keystroke indicator signal from a remote control of wherein the keystroke indicator signal indicates a key on said remote control device that a user has selected;"				
	3.	[1.2] "generating a key code within a key code generator device using keystroke indictor signal;"	the			



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4.	[1.3] "modulating said key code onto a carrier signal, thereby generating a key code signal; and"24	
5.	[1.4] "transmitting said key code signal from said key code generator device to said remote control device."	
D	Claim 3: "The method of claim 1, wherein said key code consists of a binary number."	
E	Claim 4: "The method of claim 1, wherein said key code comprises a binary number and timing information, and wherein said timing information defines how said binary number is modulated in (c) onto said carrier signal."	
F	Claim 629	
1.	[6.P]: "The method of claim 1, wherein said carrier signal is in a radio frequency band, wherein said key code signal is received by said remote control device, and wherein said method further comprises:"29	
2.] "modulating said key code onto a second carrier signal, thereby therating a second key code signal, said modulating being performed on a remote control device wherein said second carrier signal is in an arrange frequency band; and"	
3.	[6.2]: "transmitting said second key code signal from said remote control device to an electronic consumer device."	
G	Claim 8: "The method of claim 1, wherein said key code generated in (b) is part of a codeset, and wherein said remote control device does not store said codeset."	
Η	I. Claim 9: "The method of claim 8, wherein said codeset comprises timing information and a plurality of key codes, and wherein said timing information describes a digital one and a digital zero."	
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1	[2.P] "A method comprising:"	



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3.		rating a key code within a key code generator device using the ndictor signal;"37	,
4.		ulating said key code onto a carrier signal, thereby generating a gnal; and"39	
5.		mitting said key code signal from said key code generator n electronic consumer device."41	
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E	generat	24: "The method of claim 2, wherein said key code ed in (b) is part of a codeset, and wherein said remote device does not store said codeset."	.4
F	compri wherei	25: "The method of claim 24, wherein said codeset ses timing information and a plurality of key codes, and a said timing information describes a digital one and a zero."	.5
VIII.		Claims 1, 2, 3, 4, 6, 8, 9, and 22-25 of the '642 Patent are ble under 35 U.S.C. § 103 over Caris In View of Skerlos4	.7
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1.		ethod comprising:"52	
2.	wherein the	iving a keystroke indicator signal from a remote control device, e keystroke indicator signal indicates a key on said remote ice that a user has selected"	
3.	_	erating a key code within a key code generator device using the ndictor signal"54	



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4.	key code signal"				
5.	[1.4]: "transmitting said key code signal from said key code generator device to said remote control device."				
Г	Claim 3: "The method of claim 1, wherein said key code consists of a binary number."59				
Е	Claim 4: "The method of claim 1, wherein said key code comprises a binary number and timing information, and wherein said timing information defines how said binary number is modulated in (c) onto said carrier signal."				
F	Claim 662				
1.	.P]: "The method of claim 1, wherein said carrier signal is in a radio equency band, wherein said key code signal is received by said remote ontrol device, and wherein said method further comprises:"62				
2.	1]: "modulating said key code onto a second carrier signal, thereby enerating a second key code signal, said modulating being performed on id remote control device wherein said second carrier signal is in an frared frequency band; and"				
3.	[6.2]: "transmitting said second key code signal from said remote control device to an electronic consumer device."				
C	G. Claim 8: "The method of claim 1, wherein said key code generated in (b) is part of a codeset, and wherein said remote control device does not store said codeset."				
H	I. Claim 9: "The method of claim 8, wherein said codeset comprises timing information and a plurality of key codes, and wherein said timing information describes a digital one and a digital zero."				
I.	-				
1.	[2.P] "A method comprising:"				
2.	[2.1] "receiving a keystroke indicator signal from a remote control device, wherein the keystroke indicator signal indicates a key on said remote control device that a user has selected;"				
3.	[2.2] "generating a key code within a key code generator device using the keystroke indictor signal;"				



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