

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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ROKU, INC.,  
Petitioner,

v.

UNIVERSAL ELECTRONICS, INC.,  
Patent Owner.

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Case No. IPR2020-00953  
U.S. Patent 9,911,325

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**PETITION FOR *INTER PARTES* REVIEW  
OF U.S. PATENT NO. 9,911,325**

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U.S. Patent & Trademark Office  
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	1. [9.P]: “A first device for transmitting a command to control a functional operation of a second device, the first device comprising:” .....	17
	2. [9.1]: “a receiver;” .....	20
	3. [9.2A] / [9.2B] “a first transmitter;” / “a second transmitter;” .....	21
	4. [9.3] “a processing device coupled to the receiver, the first transmitter, and the second transmitter; and” .....	23
	5. [9.4] “a memory storing instructions executable by the processing device, the instructions causing the processing device to:” .....	24
	6. [9.4.1] “generate a key code using a keystroke indicator received from a third device in communication with first device via use of the receiver, the keystroke indicator having data that indicates an input element of the third device that has been activated;” .....	25
	7. [9.4.2] “format the key code for transmission to the second device; and” .....	28

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8.	[9.4.3] “transmit the formatted key code to the second device in a key code signal via use of the first transmitter and a first communication protocol;” .....	30
9.	[9.4.4] “transmit the formatted key code to the second device in a keycode signal via use of the second transmitter and a second communication protocol when it is determined that the second device is not responsive to the key code signal transmitted via use of the first transmitter and the first communication protocol.” .....	31
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**PETITIONER'S EXHIBIT LIST**

<b>Exhibit No.</b>	<b>Description</b>
<b>1001</b>	U.S. Patent No. 9,911,325 to Mui (“325 Patent”)
<b>1002</b>	Prosecution History of U.S. Patent No. 9,911,325 (“Prosecution History”)
<b>1003</b>	Declaration of Dr. Samuel Russ in Support of Petition for <i>Inter Partes</i> Review of U.S. Patent No. 9,911,325
<b>1004</b>	Curriculum Vitae of Dr. Samuel Russ
<b>1005</b>	U.S. Patent Publication No. 2004/0080428 to Rye <i>et al.</i> (“Rye”)
<b>1006</b>	U.S. Patent No. 4,426,662 to Skerlos <i>et al.</i> (“Skerlos”)
<b>1007</b>	U.S. Patent No. 7,562,128 to Caris <i>et al.</i> (“Caris”)
<b>1008</b>	U.S. Patent No. 8,132,105 to Dubil <i>et al.</i> (“Dubil”)
<b>1009</b>	Markman Order SACV 18-01580 JVS (Dated August 8, 2019)
<b>1010</b>	“Device Specification for Infrared Detecting unit for Remote Control GP1UV70QS series,” Sharp Corporation Electronic Components Group, Opto-Electronic Devices Division (Dated December 27, 2002) (“GP1UV70”)
<b>1011</b>	“Data Formats for IR Remote Control,” Vishay Semiconductors (Dated August 27, 2003) (“Vishay”)
<b>1012</b>	“User Interface – Infrared Learner (Remote Control) AN2092” Project Guide, Cypress Semiconductor Corporation (Dated November 11, 2002) (“Cypress”)
<b>1013</b>	“VCR Commander Service User’s Guide,” Scientific-Atlanta, Inc., (Dated September 2000) (“VCR Commander”)
<b>1014</b>	U.S. Patent No. 5,469,152 to Yamamoto <i>et al.</i> (“Yamamoto”).
<b>1015</b>	“Infrared Remote Control Transmitter RC5 Product Specification,” Philips Semiconductors (Dated June 15, 1999)
<b>1016</b>	“AT2400 AllTouch Remote Control User’s Guide,” Scientific-Atlanta, Inc. (Dated February 2002)
<b>1017</b>	“EXPLORER 2100 or 3100 Digital Home Communications Terminals User’s Installation Guide,” Scientific Atlanta, Inc. (Dated July 2000)
<b>1018</b>	U.S. Patent No. 6,909,471 to Bayley (“Bayley”).

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