Exhibit B-1: Infringement of U.S. Patent validity of U.S. Patent No. 8,004,389 the Roku TV, Roku Ultra, Roku Premiere (2018), Roku Premiere+ (2018), Roku StreamingStick, Roku StreamingStick+, Roku 4, and any variations of the same that include the remote control set-up functionality discussed herein ("Roku Streaming Products with Device Control")

e infringement contentions are provided based on information obtained to date and may not be exhaustive. UEI's investigation of Roku's ngement is ongoing. UEI reserves the right to seek to supplement and/or amend these disclosures to identify additional asserted claims, accused umentalities, and/or to further identify where each element of each asserted claim is found in each accused instrumentality, including on the basis scovery obtained from Roku and from third-parties during the course of this litigation.

accused instrumentalities and associated documents discussed and/or cited herein are representative in all material aspects for all other accused umentalities identified in this chart. Based on information presently available to UEI, each of the Roku Streaming Products with Device Control derstood to operate in the same manner with respect to the contentions provided in this chart. Roku has not yet produced discovery in this in, and UEI reserves the right to amend its contentions as to these products should Roku provide information showing any relevant differences inguity the products or any additional products containing the same functionality.

Pat. No. 8,004,389	Roku Streaming Products with Device Control
method comprising:	The Roku Streaming Products with Device Control perform the claimed method when a user chooses to "Set up a remote for Device control."
	Set up a remote for TV control:

Pat. No. 8,004,389	Roku Streaming Products with Device Control		
	Roku   Remote settings	3:01 pm   Options *	
	Set up remote for TV control	Your Roku remote can control your TV's	<b>&gt;</b>
	Find remote	volume and power.	
	Change remote finder sound	This setup process may take a few minutes.	
	Preview remote finder sound		
	Pair remote		
	Battery level		
	1.71		
	(images taken from https://support.roku.	com/article/115013019828-how-do-i-set-	-up-my-roku-
	enhanced-remote-to-control-my-tv-, UE	[_001310).	
	Additionally, at least the products compared method when the user completes the "Co		

Pat. No. 8,004,389	Roku Streaming Products with Device Control			
	Roku   Control your TV	10:45 am		
	Your Roku remote can control this TV's volume and power!  Let's quickly check to see if everything is set up correctly.			
	Check remote settings	5012010828 have do i set up my roku		
	(images taken from <a href="https://support.roku.com/article/115013019828-how-do-i-set-up-my-roku-enhanced-remote-to-control-my-tv-">https://support.roku.com/article/115013019828-how-do-i-set-up-my-roku-enhanced-remote-to-control-my-tv-</a> , UEI_001310).  See also <a href="https://support.roku.com/article/360004786894-why-is-my-roku-enhanced-remote-not-controlling-volume-and-power-on-my-tv-">https://support.roku.com/article/360004786894-why-is-my-roku-enhanced-remote-not-controlling-volume-and-power-on-my-tv-</a> , UEI_001327 (providing instructions for setting up the Roku Enhanced Remote).			
eceiving a keystroke indicator al from a remote control device, ein the keystroke indicator al indicates a key on said remote rol device that a user has ted;	The Roku Streaming Products with Device Control red Roku remote control, wherein the keystroke indicator the user has pressed.  A user of a Roku Streaming Product presses one of the	signal indicates a key on the Roku remote that		

Pat. No. 8,004,389	Roku Streaming Products with Device Control		
	The Roku Streaming Products will respond (or not respond) based on which button is pressed on the remote control due to a signal received from the remote, which is a keystroke indicator signal.		
generating a key code within a code generator device using the stroke indicator signal, wherein key code is part of a codeset that trols an electronic consumer ice;	The Roku Streaming Products with Device Control are key code generators that generate a key code after receiving a keystroke indicator signal, wherein said key code is part of a codeset that controls an electronic device.  An example of a generated key code is the code that corresponds to a function of an external device, such as volume or power. This process occurs during set-up and regular operation of the Roku		
	Roku informs its customers that the Roku players narrow the list of "remote codes" during remote setup and program the "correct code" to the remote. ( <i>See, e.g.</i> , <a href="https://support.roku.com/article/360004786894-why-is-my-roku-enhanced-remote-not-controlling-volume-and-power-on-my-tv-">https://support.roku.com/article/360004786894-why-is-my-roku-enhanced-remote-not-controlling-volume-and-power-on-my-tv-</a> , UEI_001327 at 28).		
	The key code is part of a codeset that controls an electronic consumer device, such as the set of IR codes for control of a TV.		
modulating said key code onto a ier signal, thereby generating a code signal;	The Roku Streaming Products with Device Control can modulate key codes onto a carrier signal to communicate with the Roku remote. The Roku Streaming Products with Device Control communicate with the Roku remotes by modulating data onto wireless signals. For example, the Roku Streaming Products with Device Control program Roku remotes with remote codes for TVs. (See, e.g., <a href="https://support.roku.com/article/360004786894-why-is-my-roku-enhanced-remote-not-controlling-volume-and-power-on-my-tv-">https://support.roku.com/article/360004786894-why-is-my-roku-enhanced-remote-not-controlling-volume-and-power-on-my-tv-</a> , UEI_001327 at 28). This programming is conducted via sending data over a carrier signal, e.g., a wireless connection via Wi-Fi or Wi-Fi Direct.		

Pat. No. 8,004,389	Roku Streaming Products with Device Control		
transmitting said key code signal n said key code generator device;	The Roku Streaming Products with Device Control transmit key code signals to the remote control using wireless Wi-Fi or Wi-Fi Direct signals. <i>See</i> , <i>e.g.</i> , <a href="https://support.roku.com/article/115013256808-what-type-of-remote-control-does-my-roku-streaming-device-use-">https://support.roku.com/article/115013256808-what-type-of-remote-control-does-my-roku-streaming-device-use-</a> , UEI_001317 (describing that Roku "enhanced" remotes communicate with the Roku devices over a wireless network)		
identifying said codeset using at from a user of said remote trol device, wherein said codeset lentified when said user stops using a key on said remote control ice.	The Roku Streaming Products with Device Control identify the codeset using input from a user of said remote control device, wherein said codeset is identified when said user stops pressing a key on said remote control device.  The codeset is identified when the Roku user stops pressing a key on the Roku remote. The user provides input to the remote control via the "OK" button in response to questions "Music is currently playing. Do you hear it?" and "Did the music stop playing?"  ROKU   Control your TV		
	Your Roku remote can control this TV's volume an Checking remote settings  Let's quickly correctly.  Music is currently playing. Do you hear it?  Make sure to point your Roku remote at this TV.  Yes  No		

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