TCL'S INVALIDITY CONTENTIONS FOR U.S. 8,713,206 Exhibit E6: U.S. Patent No. 8,078,766 ("Takenaka")

As demonstrated in the claim charts below, the claims of U.S. Patent No. 8,713,206 ("the '206 patent") are invalid more sections of 35 U.S.C. § 102 as anticipated by Takenaka and (b) under 35 U.S.C. § 103(a) as obvious over Ta alone and as set forth herein, and/or combined with the knowledge of a person of ordinary skill in the art, Applica Art ("AAPA"), and/or the additional prior art references discussed in Exhibits E1-E14, and O5, the contents of which incorporated by reference into this chart. One of ordinary skill in the art, as of the alleged priority date of the '206 known to combine the prior art elements disclosed by the foregoing references using known methods, and to use the according to their established functions in order to achieve a known and predictable result.

Except where specifically noted otherwise, this chart may apply the apparent interpretations of claim language as its infringement contentions. Such use, however, does not imply that Defendants adopt or agree with Plaintiff's in way. Additionally, by providing contentions for claim preamble elements, Defendants do not take a position on w is a claim limitation.

'206 Claim	Claim Element	Prior Art: U.S. Pat. No. 8,078,766 ("Takenaka")
1.pre	A display control apparatus comprising:	Takenaka discloses a display control apparatus. See, e.g., elements 1.a – 1.c.
1.a	a communication unit configured to communicate with an external device; and	Takenaka discloses a communication unit configured to communicate with an ext For example, Takenaka discloses: 4:35-40 ("The image changeover unit 131 is connected to an external input termin which an external device transmits any image signal VSc such as a composite sig signal, high definition multimedia interface (HDMI) signal, digital visual interfact image changeover unit 131.")
		6:20-31 ("A USB interface unit 153 is also connected to the bus 154. The USB in constituted of a USB transceiver for executing any serial communication with condevice, serial interface engine (SIE) for executing communication control process USB protocol, and the like. The control unit 151 communicates the USB interface detecting that an external device connects the USB interface unit 153, the control

configuration setting to read out address setting of the connected external device a pieces of information stored in the connected external device."); see also 6:42-52



a display control unit
configured to display, on a
display unit, an image
received from the external
device via the communication
unit, and if communication
with the external device is
disconnected, to stop the
display of the image received
from the external device,

Takenaka discloses a display control unit configured to display, on a display unit, from the external device via the communication unit, and if communication with t disconnected, to stop the display of the image received from the external device.

For example, Takenaka discloses:

5:20-24 ("The image-output-processing unit 135 is connected to an image display constituted of any display device such as liquid crystal display (LCD), plasma display clectro luminescence (EL), and cathode ray tube. The image-output-processing undisplay drive signal DRv for driving the display device based on the image output supplies the display drive signal DRv to the image display unit 136. This enables tunit 136 to display an image. The image-output-processing unit 135 outputs the in VSg as an output signal Vout having any format corresponding to an external devite image-output-processing unit 135 supplies an image signal to the external devit 1, 3:15-33

5:28-33 ("The image-output-processing unit 135 outputs the image output signal V signal Vout having any format corresponding to an external device, not shown, whoutput-processing unit 135 supplies an image signal to the external device.")

6:26-38 ("The control unit 151 communicates the USB interface unit 153 and whe external device connects the USB interface unit 153, the control unit 151 executes setting to read out address setting of the connected external device and various kir information stored in the connected external device. When detecting that an extern device that can correspond to the apparatus of displaying the image (the television the read information, the control unit 151 communicates this external device to read VSusb out of the external device and supply it to the image changeover unit 131, timage stored in the external device to be displayed on the image display unit 136."

6:42-52 ("At step ST1, the control unit 151 determines whether or not the televisic connects an external device. When the control unit 151 determines that the televisic connects the external device, the operation goes to step ST2. When the control unit that the television receiver 100 connects no external device, the operation goes back is to be noted that the control unit 151 may determine whether or not the television connects an external device based on facts whether or not a D+terminal or a D-terminal connector provided in the USB interface unit 153 has a predetermined voltage lever 2.



		8:25-29 ("At the step ST7, the control unit 151 determines whether or not the exte image class. If the class checked at the step ST5 is included in the image class, nar code is "00h" and its interface class code is "06h", the operation goes to step ST8.
		8:61-9:4 ("At the step ST11, the control unit 151 determines whether or not the coexternal device has been released. If the external device keeps on connecting the to 100, the operation goes back to the step ST11 where the message PM3 keeps on disconnection of the external device has been released, for example, a USB cable has a USB connector in the USB interface unit 153 or a USB connector in the external operation goes to step ST15 where the control unit 151 finishes displaying the indicentary operation then goes back to the step ST1."); see also FIGs. 1, 2, 4, 6
		10:6-18 ("At the step ST16, the television receiver 100 displays any noncorrespon displays, for example, a message PM5 as shown in FIG. 3F to notice the user that external device is not USB device that can correspond to the apparatus of displaying television receiver 100). At the step ST17, the control unit 151 determines whether connection of the external device has been released. If the external device keeps of television receiver 100, the operation goes back to the step ST17. If the connection device has been released, the operation goes to step ST18. At the step ST18, the confinishes displaying the notice.")
		10:39-45 ("When the class of the external device is not changeable and a set class device is different from the previously specified class of the apparatus of displayir television receiver 100), the television receiver 100 displays on its image display u noticing that the television receiver 100 does not correspond to the connected exte
		To the extent that Plaintiff alleges that Takenaka does not explicitly disclose this c limitation is inherent and/or it would have been obvious in view of the knowledge ordinary skill in the art, AAPA, and/or in view of the references identified in Exhi
		To the extent 35 U.S.C. § 112, ¶6 applies, Takenaka also discloses the correspond function(s) claimed or their equivalents, as shown above, or renders them obvious knowledge of one skilled in the art.
1.c	wherein the display control unit varies a period of time from the disconnection to the stopping of the display of the	Takenaka discloses that the display control unit varies a period of time from the di stopping of the display of the image depending on a type of the external device.
		See, e.g., element 1.b.
		In addition, Takenaka discloses:



	image depending on a type of the external device.	2:15-41 ("According to an embodiment of the present invention, there is provided displaying an image that connects an external device by using USB connection. The displaying an image contains a display unit and a control unit that reads device information. Under control of the control unit, the display unit displays a message changing a class of the external device to a class previously specified in the apparatimage when the class of the external device is changeable and it is determined bas information that the set class of the external device is different from the class previously specified in the apparatus of displaying the image. According to another embodiment of the parameter is provided a method of displaying an image in an apparatus of displaying an external device by using USB connection. The method contains the steps of real information out of the external device, and displaying a message that is used for class of the external device to a class previously specified in the apparatus of displaying the class of the external device is changeable and it is determined based on the device set class of the external device is different from the class previously specified in the displaying the image.") To the extent that Plaintiff alleges that Takenaka does not explicitly disclose this climitation is inherent and/or it would have been obvious in view of the knowledge
		ordinary skill in the art, AAPA, and/or in view of the references identified in Exhi To the extent 35 U.S.C. § 112, ¶6 applies, Takenaka also discloses the correspond function(s) claimed or their equivalents, as shown above, or renders them obvious knowledge of one skilled in the art.
2.pre	The display control apparatus according to claim 1,	Defendants incorporate by reference their contentions relating to claim 1, as if full
2.a	wherein the display control unit stops the display of the image immediately or after a specific period of time elapses from the disconnection depending on a type of the external device.	Takenaka discloses that the display control unit stops the display of the image impospecific period of time elapses from the disconnection depending on a type of the For example, Takenaka discloses: 5:28-33 ("The image-output-processing unit 135 outputs the image output signal V
		signal Vout having any format corresponding to an external device, not shown, whoutput-processing unit 135 supplies an image signal to the external device.") 5:64-6:19 ("The control unit 151 also connects the above-mentioned various units
		The control unit 151 also connects the above-mentioned various units from the user interface unit 152 and supplies the control signal CT to the above-mentioned various units from the user interface unit 152 and supplies the control signal CT to the above-mentioned various units from the user interface unit 152 and supplies the control signal CT to the above-mentioned various units from the user interface unit 152 and supplies the control signal CT to the above-mentioned various units from the user interface unit 152 and supplies the control signal CT to the above-mentioned various units from the user interface unit 152 and supplies the control signal CT to the above-mentioned various units from the user interface unit 152 and supplies the control signal CT to the above-mentioned various units from the user interface unit 152 and supplies the control signal CT to the above-mentioned various units from the user interface unit 152 and supplies the control signal CT to the above-mentioned various units from the user interface unit 152 and supplies the control signal CT to the above-mentioned various units from the user interface units 152 and supplies the control signal CT to the above-mentioned various units from the user interface units 152 and supplies the control signal CT to the above-mentioned various units from the user interface u



units through a bus 154, which enables the television receiver 100 to operate correuser's manipulations. For example, when the manipulation signal PS received from unit 152 indicates that the user manipulates any signal changeover such as channel broadcast changeover, or input changeover, the control unit 151 controls the tunin 112 for satellite broadcasting and the tuning/demodulation unit 114 for terrestrial select a desired channel thereof or controls the demultiplexer 121, the image chan the audio changeover unit 141 to perform their changeover operations, in order to presented image and/or audio of the desired channel or the desired broadcast system audio received from an external device. The control unit 151 further generates a control displaying EPG or the like based on the broadcast data DTd received from the der supplies such the control signal to the signal-generating unit 133.")

8:8-14 ("At the step ST6, the control unit 151 determines whether or not the extensionage class. If the class checked at the step ST5 is included in the mass storage condected device class code is "00h" and its interface class code is "08h", the operation goes class checked at the step ST5 is not included in the mass storage class, the operation ST7.")

8:61-9:4 ("At the step ST11, the control unit 151 determines whether or not the context external device has been released. If the external device keeps on connecting the target 100, the operation goes back to the step ST11 where the message PM3 keeps on document of the external device has been released, for example, a USB cable has a USB connector in the USB interface unit 153 or a USB connector in the externation goes to step ST15 where the control unit 151 finishes displaying the indicentarion operation then goes back to the step ST1.")

9:30-35 ("At the step ST12, the control unit 151 determines whether or not the exvender specific class. If the class checked at the step ST5 is included in the vendo operation goes to step ST13. If the class checked at the step ST5 is not included in class, the operation goes to step ST16.")

9:51-57 ("Thus, when the user performs class changeover on the external device be connection-setting change indication display to set its class to the mass storage class connect the external 1 device to the television receiver 100, the television receiver that the connected external device is USB device that can correspond to the televis This enables the USB device and the apparatus of displaying the image (the televise connected to each other in the mass storage class.")



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