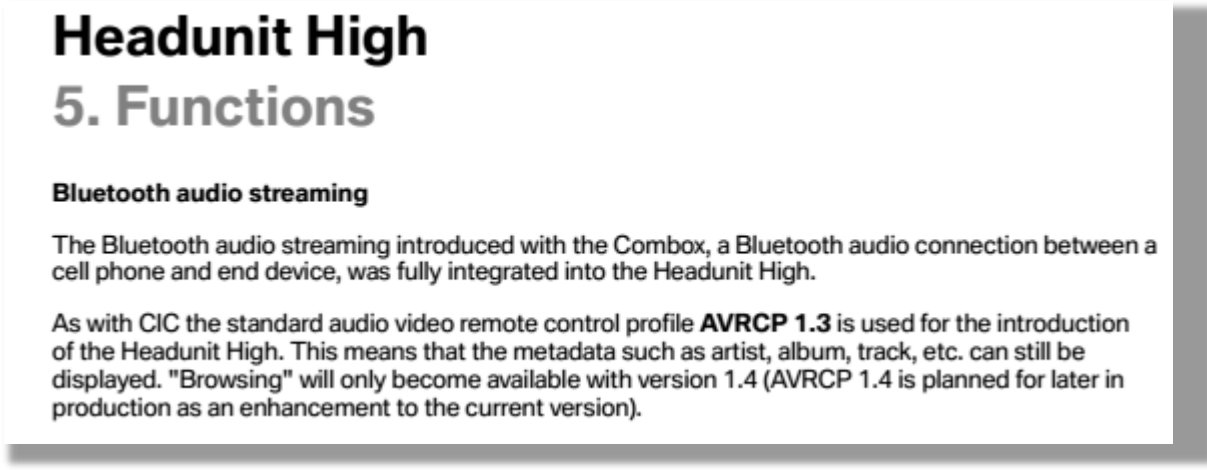
Appendix B

Claim Chart for US Patent No. 8,155,342 Against Accused Infotainment Systems of BMW Automob

Claim	Support
	 *See, e.g.*, Ex. E (2013 Headunit High Technical Training), at p. 26, 67.[5] *See also* https://youtu.be/UXBobkYjk1c
[49A] an integration subsystem in communication with a car audio/video system; and	Each BMW multimedia device integration system includes, among other things, an integration subsyst communicating audio/video from portable devices via the Bluetooth connection to the car audio/vide integration subsystem, which comprises at least the hardware shown below and the necessary softwa or executed thereon, including at least a Bluetooth module, microcontroller, and memory modules su modules, is in communication with the car audio/video system. The integration subsystem channels a car audio/video system from a portable device (such as an iPod, iPhone or other smart device). The specific location of the claimed "integration subsystem" will be ascertainable upon receipt of disc including but not limited to the inspection of source code. Upon information and belief, each BMW in is in communication with a car audio/video system. For example, the claimed integration subsystem may be located in the "Combox" (or may be the entir other similar component, in the Head Unit (or may be the entire Head Unit), and/or a combination of either/or the Combox and the Head Unit, or may be located in the iPod interface kit depending upon t

[5] Blitzsafe has produced Ex. E, 2013 Headunit High Technical Training, simultaneously with these Infringement Contentions as a docum numbers BS-BMW-0000555. All pin-cites are to document pages.

Appendix B

Claim Chart for US Patent No. 8,155,342 Against Accused Infotainment Systems of BMW Automob

Claim	Support

Index	Explanation
1	Dynamic Stability Control (DSC)
2	Power distribution box, front
3	Front Electronic Module (FEM)
4	Power distribution box, luggage compartment
5	DC/DC converter
6	Combox
7	Bluetooth antenna in wiring harness
8	AUX-In connection with USB audio interface in center console
9	Integrated Chassis Management (ICM)
10	Controller (CON)
11	Integrated automatic heating / air conditioning
12	IHKA operating facility
13	Audio operating facility
14	USB connection in glove box
15	Car Information Computer
16	Central information display (CID)
17	Steering column switch cluster (SZL)
18	Microphone
19	Instrument cluster (KOMBI)

4.4. Hands-free system with USB interface

A telephone-supported headunit is used in conjunction with radio (standard equipment) in the F30. With this, no additional control unit is required in order to provide telephone functions in the vehicle.

In vehicles with Navigation System (option 609) a Combox is installed as well as the headunit to achieve the telephone function. In this case, the microphone, the Bluetooth antenna and the AUX-In connection with USB audio interface are connected not to the headunit, but to the Combox.

See, e.g., Ex. C (BMW F30 Entertainment and Communication Technical Training), at 13-14, 23.

As another example, the "main processor" in certain head units, such as the example shown below, m
"integration subsystem," or, alternatively, the entire head unit may be the "integration subsystem."

Appendix B

Claim Chart for US Patent No. 8,155,342 Against Accused Infotainment Systems of BMW Automob

Claim	Support
52. The system of claim 51, wherein said second wireless interface is positioned within the portable device.	Portable devices, such as iPhones, iPads, iPods, Android phones and other smart, portable devices, inc interfaces within the portable device.

iOS: Supported Bluetooth profiles

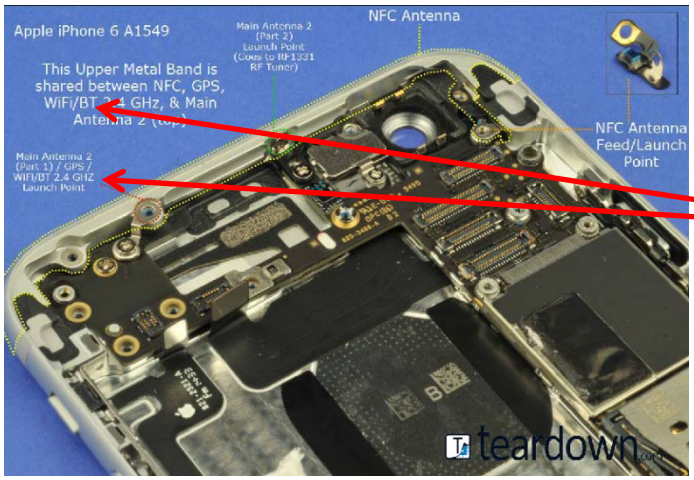
iPhone, iPad, and iPod touch support multiple Bluetooth profiles with the latest version of iOS. You can learn the differences in Bluetooth-profile support from one device to the next.

The following table lists supported Bluetooth profiles by device for the latest version of iOS.

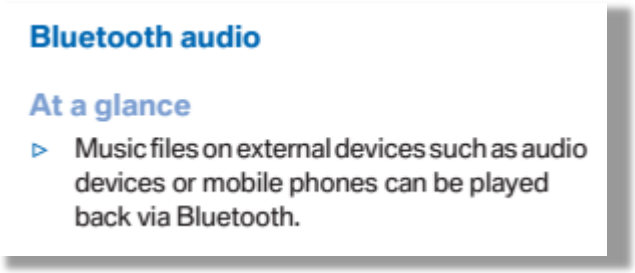
Device	Hands-Free Profile (HFP 1.6)	Phone Book Access Profile (PBAP)	Advanced Audio Distribution Profile (A2DP)	Audio/Video Remote Control Profile (AVRCP 1.4)	Personal Area Network Profile (PAN)	Human Interface Device Profile (HID)	Message Access Profile (MAP)
iPhone 4 and later	✓	✓	✓	✓	✓	✓	✓
iPhone 3GS	✓	✓	✓	✓	✓	✓	-
iPhone 3G	✓	✓	✓	✓	✓	-	-
Original iPhone	✓	✓	-	-	-	-	-
iPad 2 and later	✓	-	✓	✓	✓	✓	-
iPad (1st generation)	-	-	✓	✓	✓	✓	-
iPod touch (4th generation and later)	✓	-	✓	✓	✓	✓	-
iPod touch (2nd and 3rd generation)	-	-	✓	✓	✓	✓	-

Appendix B

Claim Chart for US Patent No. 8,155,342 Against Accused Infotainment Systems of BMW Automob

Claim	Support
	See, e.g., Ex. F (Apple iPhone Supported Bluetooth Profiles).[6] *See, e.g.,* http://developer.android.com/guide/topics/connectivity/bluetooth.html (discussing Bluetoo Android platform).  Source: http://www.techinsights.com/blog-teardown/blog.aspx?blogmonth=12&blogyear=2014&blog
53. The system of claim 49, wherein said integration subsystem receives a control command	The integration subsystem [*see* support for element 49[A]] "receives a control command issued at the system in a format incompatible with the portable device, processes the control command into a form compatible with the portable device, and dispatches the processed control command to the portable thereby." More specifically, once a portable device is connected, commands are received by the integ from the car audio/video system, where they are processed and converted from a format understand with the car audio/video system and associated BMW protocols (i.e., a format incompatible with the p formatted commands that are compatible with the portable device (i.e., converted into Bluetooth, ap device-specific protocols understandable to the portable device). These formatted commands are the

[6] Blitzsafe has produced Ex. F, Apple iPhone Supported Bluetooth Profiles, simultaneously with these Infringement Contentions as a d production numbers BS-BMW-0000657.

Claim	Support
issued at the car audio/video system in a format incompatible with the portable device, processes the control command into a formatted command compatible with the portable device, and dispatches the processed control command to the portable device for execution thereby.	portable device via the first and second wireless interfaces (i.e., the Bluetooth interface of the multim integration system and one or more Bluetooth interfaces in communication with and part of the porta they are executed by the portable device. At least the microcontroller of the integration subsystem (a microcontrollers on one or more circuit boards of the device integration system) executes pre-prograr perform at least a portion of these functions. It is believed that this code is stored in onboard flash an modules (such as flash memory modules), and/or is contained within firmware elsewhere in the integ (such as within the microcontroller itself).  **Bluetooth audio** At a glance ▷ Music files on external devices such as audio devices or mobile phones can be played back via Bluetooth.

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