

Appendix C - Claim Chart for US Patent No. 8,155,342 Against Infotainment Systems of Accused Hyundai A

In these Infringement Contentions, Blitzsafe contends that at least the following claims of U.S. Patent No. 8,155,342 identified below are infringed by the infotainment systems in accused Hyundai automobiles. Blitzsafe does not concede that any claims of U.S. Patent No. 8,155,342 that are not listed below are not infringed by the infotainment systems in accused Hyundai automobiles. Moreover, the certain documents and other information below are intended to be exemplary only and in no way foreclose Blitzsafe from submitting additional documents, information, and/or testimony at a later time. These contentions are preliminary in nature, and additional infotainment systems, internal documentation, source code, and/or testimony from relevant witnesses may be necessary to accurately describe the infringing features of its accused products. Accordingly, Blitzsafe reserves the right to supplement, correct, modify, and/or amend these contentions once such additional information is made available to Blitzsafe. Furthermore, Blitzsafe reserves the right to supplement, correct, modify, and/or amend these contentions as discovery in this case progresses; in view of the Court's order(s); in view of any positions taken by Hyundai, including but not limited to positions on claim construction, invalidity, and infringement; and in connection with the preparation and exchange of expert reports.

Claim	Support
49[P]. A multimedia device integration system, comprising:	Each accused Hyundai automobile includes a device integration system that supports integration of audio and video files (such as freely lying smartphones and other smart devices connected via Bluetooth, as well as MP3 players, iPhones and Android devices playing MP3 files). Accused Hyundai automobiles also permit audio streaming from smartphone apps, such as Google Play Music, Spotify, iTunes streaming, Apple Music, and Pandora.
[49A] an integration subsystem in communication with a car audio/video system; and	Each device integration system of an accused Hyundai automobile includes, among other things, an integration subsystem for connecting the car audio/video system to portable devices via a Bluetooth connection. The integration subsystem, which comprises at least the software and hardware shown in the yellow dashed boxes below, including a microcontroller and memory modules such as a Micron flash memory module, is in communication with a car audio/video system. The integration subsystem channels audio signals to the car audio/video system from a portable device (such as an iPod, iPhone, Android device or other smart device) external to the car audio/video system.

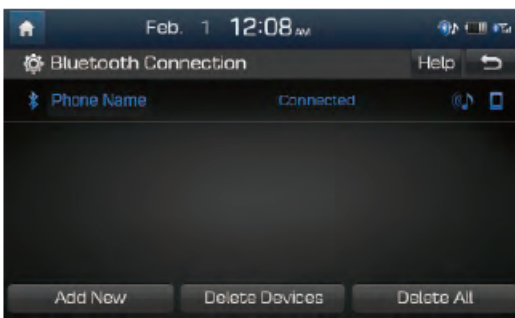
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Claim	Support
<p>2014 Hyundai Elantra P/N 96180- 3X165GU ISSI IS42S16320B-7TL1 1512Mb SDRAM</p> <p>NXP SAF7741HV/115 Car Radio DSP</p> <p>Daughter Card</p> <p>AM/FM Radio Tuner Module</p> <p>NPX TEF7000HN Low-IF Front End Tuner Solution</p> <p>AM/FM Radio Antenna Connector</p>	<p>Techwell TW8816 LED Flat Panel Processor</p> <p>HengTai CFAE LGIT3B2911</p> <p>ISSI IS42S16320B-7TL1 1512Mb SDRAM</p> <p>NXP SAF7741HV/115 Car Radio DSP</p> <p>Daughter Card</p> <p>AM/FM Radio Tuner Module</p> <p>NPX TEF7000HN Low-IF Front End Tuner Solution</p> <p>AM/FM Radio Antenna Connector</p> <p>Techwell TW8816 LED Flat Panel Processor</p> <p>HengTai CFAE LGIT3B2911</p> <p>Audio Power Amplifier</p> <p>USB</p> <p>AUX IN</p>

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	<div style="display: flex; justify-content: space-between;"> <div style="width: 65%;"> <h3 style="color: #0070C0;">Bluetooth® Audio</h3> <hr/> <h4 style="color: #0070C0;">Bluetooth Audio Mode</h4>  <p style="text-align: center;">2-38 I AV</p> </div> <div style="width: 30%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Features</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1 Mode</td> <td>Displays current operating mode</td> </tr> <tr> <td>2 Phone Name</td> <td>Displays name of connected phone</td> </tr> <tr> <td>3 Artist Info</td> <td>Name of current artist</td> </tr> <tr> <td>4 Title</td> <td>Name of current song</td> </tr> <tr> <td>5 Previous File</td> <td> <ul style="list-style-type: none"> If play time is less than 3 seconds, moves to the previous file If play time is over than 3 seconds, moves to the beginning of the current file from the beginning <i>i</i> This function may differ depending on the model of mobile phone </td> </tr> <tr> <td>6 Play/Pause</td> <td>Plays/Pauses Bluetooth Audio</td> </tr> <tr> <td>7 Next File</td> <td>Moves to the next file</td> </tr> <tr> <td>8 Connections</td> <td>Moves to the Bluetooth Settings screen where you can pair a new device or change the current device(s)</td> </tr> <tr> <td>9 SoundHound</td> <td>Runs the SoundHound feature. For more detailed feature, please refer to the SoundHound section in Info part.</td> </tr> <tr> <td>10 SEEK/TRACK</td> <td>Plays the previous/next file</td> </tr> <tr> <td>11 TUNE</td> <td>● TUNE is not supported.</td> </tr> </tbody> </table> <p><i>i</i> Information</p> <ul style="list-style-type: none"> Artist info and Title may not be supported by mobile phone </div> </div>	Features	Description	1 Mode	Displays current operating mode	2 Phone Name	Displays name of connected phone	3 Artist Info	Name of current artist	4 Title	Name of current song	5 Previous File	<ul style="list-style-type: none"> If play time is less than 3 seconds, moves to the previous file If play time is over than 3 seconds, moves to the beginning of the current file from the beginning <i>i</i> This function may differ depending on the model of mobile phone	6 Play/Pause	Plays/Pauses Bluetooth Audio	7 Next File	Moves to the next file	8 Connections	Moves to the Bluetooth Settings screen where you can pair a new device or change the current device(s)	9 SoundHound	Runs the SoundHound feature. For more detailed feature, please refer to the SoundHound section in Info part.	10 SEEK/TRACK	Plays the previous/next file	11 TUNE	● TUNE is not supported.
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	<div data-bbox="454 724 966 1249"> <p>Bluetooth Connections Settings</p> <p>Settings for pairing, connection and dis-connection of a Bluetooth device</p>  </div> <ul style="list-style-type: none"> • In Bluetooth Audio play screen, Select Connections • Select SETUP key in the head unit. ▶ Select Phone ▶ Select Bluetooth connection <p>See, e.g., Ex. A (2016 Hyundai Sonata Multimedia System Manual) at 2:38-39.¹</p>
<p>[49B] a first wireless interface in communication with said</p>	<p>Each device integration system of the accused Hyundai automobiles includes a first wireless interface in the form of a Bluetooth controller and/or antenna and related circuitry, including at least the circuitry (first wireless interface, highlighted in yellow dashed box below) in communication with the integration subsystem. The Bluetooth interface audio/video system is operable to establish a wireless link with Bluetooth interfaces (second wireless interface, highlighted in yellow dashed box below) in communication with one or more portable devices external to the car audio/video system.</p>

¹ Blitzsafe has produced Ex. A, 2016 Hyundai Sonata Multimedia System Manual, simultaneously with these Infringement Contentions. Ex. A production numbers BS-HK-0000386 – 693. All pin-cites are to manual pages.

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<p>integration subsystem, said first wireless interface establishing a wireless communication link with a second wireless interface in communication with a portable device external to the car audio/video system,</p>	<p>2014 Hyundai Elantra P/N 96180-3X165GU</p> <p>ISSI IS42S16320B-7TL1 1512Mb SDRAM</p> <p>NXP SAF7741HV/115 Car Radio DSP</p> <p>Techwell TW8816 LED Flat Panel Processor</p> <p>HengTai CFAE LGIT3B291</p> <p>Daughter Card</p> <p>AM/FM Radio Tuner Module</p> <p>NPX TEF7000HN Low-IF Front End Tuner Solution</p> <p>AM/FM Radio Antenna Connector</p> <p>Audio Power Amplifier</p> <p>USB</p> <p>AUX I</p>

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