

Exhibit 12



nelson bumgardner albritton

MicroPairing Technologies LLC
US Patent No. 8953816

Method and Apparatus to Dynamically Configure a Vehicle Audio
System
Claim 1

Toyota – Tundra
Entune Infotainment System

Claim 1

1. A method of operating a vehicle audio system having a wired audio source, a display, multiple speakers and a logic circuit configured to:

sense the availability of a wireless audio device that is located within or proximate to the vehicle;

identify a wireless audio device record from among a plurality of different wireless audio device records previously identified and stored in memory, wherein the wireless device record includes previously identified data codes from the wireless audio device and from a first software application running on the wireless audio device;

responsive to identifying the data codes and first software application running on the wireless audio device from the stored record, download a copy of a second software application selected from the memory and process data from the wireless audio device with the second software application;

provide a user with an option to direct sound from the wireless audio device through at least a first one of the speakers of the vehicle audio system or back to a speaker in the wireless audio device.

Source: Claim 1 of US Patent 8953816

Tundra Entune Infotainment System

A method of operating a vehicle audio system having a wired audio source, a display, multiple speakers and a logic circuit configured to:

Note: Toyota Entune is an integrated multimedia navigation and telematics system for Toyota automobiles. Toyota provides the Entune Infotainment System for its Tundra trucks. Entune supports Apple CarPlay, Android Auto, and Entune Bluetooth Audio (Toyota's version of CarPlay/Android Auto). It has a graphical interface touchscreen display which allows operation of the audio system. The vehicle has a complete set of Speakers for audio output. Entune has multiple wired audio sources (including AM, FM and SiriusXM Satellite radio, and other devices such as smart phones which can be connected wirelessly or by a USB cable). A main microprocessor and many other processors are integrated into a multiprocessor system composed of many logic circuits.



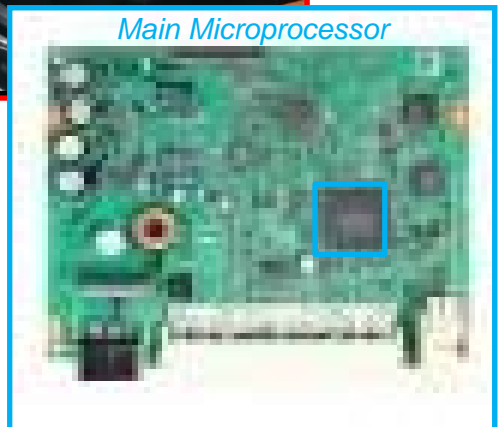
"Menu" screen operation

Press the "MENU" button to display the "Menu" screen.

- [A] Displays the clock. Select to display the clock settings screen. (→P.61)
- [B] Select to display the destination screen.^{1, 2} (→P.84)
- [C] Select to display the audio control screen. (→P.120)
- [D] Select to display the hands-free operation screen. (→P.184)
 - When an Apple CarPlay connection is established, select to display the Phone application screen.² (→P.53)
- [E] Select to display the Toyota apps screen.^{2, 3} (→P.225)
- [F] When an Apple CarPlay/Android Auto connection is established and this button displays "Apple CarPlay"/"Android Auto", select to display the home screen of Apple CarPlay/Android Auto.² (→P.53)
- [G] Select to display the information screen.⁴ (→P.19)
 - Select to display the fuel consumption screen.^{5, 6}
- [H] Select to display the "Setup" screen. (→P.18)
- [I] Select to adjust the contrast, brightness, etc. of the display. (→P.33)

TUNDRA JBL ENHANCEMENT 2014 - Present

- 1" Soft Dome Tweeter (Front & Rear)
- Dedicated Subwoofer Amplifier
- Subwoofer System (Optional Dual)
- Acoustic Correction Filters
- Quick-Sync Wiring Harness (Plug and Play)



Source: 1. 2020 Toyota Tundra: (<https://www.toyota.com/tundra/interior/#>)
 2. <https://www.toyota.com/t3Portal/document/omnav-s/OM0C027U/pdf/OM0C027U.pdf>, page 14
 3. <https://www.tundras.com/threads/anyone-install-the-oem-jbl-upgrade-in-their-cm.59836/>
 4. https://benchmarking.ihsmarket.com/Teardowns/detail/?ids=617661_3618

Tundra Entune Infotainment System

sense the availability of a wireless audio device that is located within or proximate to the vehicle;

Note: The Bluetooth standard establishes a Bluetooth link using inquirer and receiver protocols to automatically detect and authenticate relationships between the driver's Bluetooth-enabled cell phone (audio source) and the Tundra Entune Infotainment System. Once the cell phone is within range and the vehicle is turned on, connection is automatic.

Registering/Connecting a Bluetooth® device

To use the hands-free system, it is necessary to register a Bluetooth® phone with the system.

Once the phone has been registered, it is possible to use the hands-free system.

This operation cannot be performed while driving.

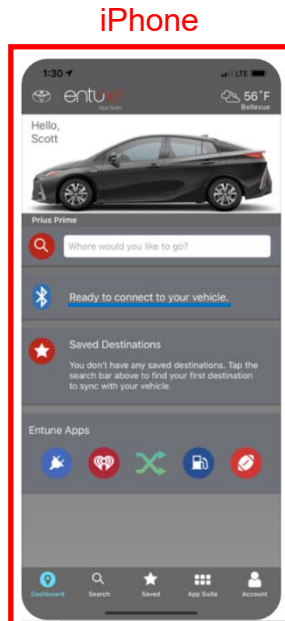
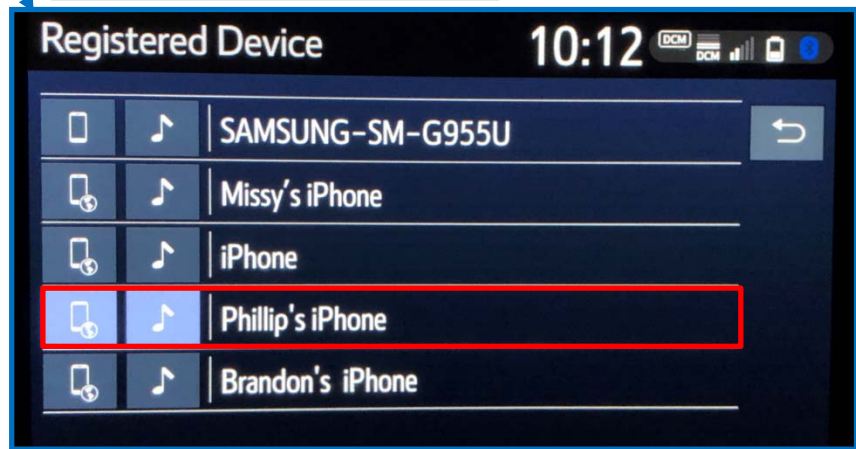
Auto connection mode

To turn auto connection mode on, set "Bluetooth Power" to on. (→P.45) Leave the Bluetooth® device in a location where the connection can be established.

- When the engine switch is in ACC or ON, the system searches for a nearby registered device.

- The system will connect with the registered device that was last connected, if it is nearby. When automatic connection priority is set to on and there is more than one registered Bluetooth® phone available, the system will automatically connect to the Bluetooth® phone with the highest priority. (→P.45)

Entune System



Source: 1. 2020 Tundra OM0C027U Navigation and Multimedia User's Manual
 2. Toyota Corolla Entune System (Tundra has same screen), images taken by Phillip Mitchell
 3. (<https://apps.apple.com/us/app/toyota-entune/id453140446>)

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.