

Ex. I – Initial Infringement Contention Chart: U.S. Patent No. 10,966,025

Claim: 1	'025 Cast-Enabled Media Players
[1.0] A playback device comprising:	Each '025 Cast-enabled media player comprises a “playback device,” as recited in claim 1. Each Cast-enabled controller comprises a “controller,” as recited in claim 1.
[1.1] a network interface configured to receive audio data over a network;	Each '025 Cast-enabled media player includes a network interface that is configured to receive audio data over a network, such as a Wi-Fi interface that is configured to receive audio data over a Wi-Fi network. <i>See, e.g.,</i> SONOS-ITC-00157909 - SONOS-ITC-00157914 [Google Home Max Tech Specs]; https://store.google.com/product/nest_audio_specs [Google Nest Audio device specifications] (“802.11b/g/n/ac (2.4 GHz/5 GHz) Wi-Fi”); https://support.google.com/googlenest/answer/7072284 [Google Nest and Home device specifications] (same).
[1.2] one or more speaker drivers configured to output audio based on the audio data;	Each '025 Cast-enabled media player includes one or more speaker drivers configured to output audio based on the audio data. <i>See, e.g.,</i> SONOS-ITC-00157909 - SONOS-ITC-00157914 [Google Home Max Tech Specs]; https://store.google.com/product/nest_audio_specs [Google Nest Audio device specifications] (“75 mm woofer and 19 mm tweeter”); https://support.google.com/googlenest/answer/7072284 [Google Nest and Home device specifications] (“Google Home[:] High excursion speaker with 2" driver + dual 2" passive radiators delivers clear highs and rich bass”; “Google Nest Mini (2nd gen)[:] 360-degree sound with 40 mm driver”; “Google Home Mini (1st gen)[:] 360-degree sound with 40 mm driver”; “Google Home Max[:] Two 114 mm high-excursion (+/- 11 mm) dual voice-coil woofers [and] Two 18 mm custom tweeters”; and “Google Nest Audio[:] 75 mm woofer and 19 mm tweeter”).
[1.3] one or more processors; and	Each '025 Cast-enabled media player includes one or more processors. <i>See, e.g.,</i> SONOS-ITC-00157909 - SONOS-ITC-00157914 [Google Home Max Tech Specs]; https://store.google.com/product/nest_audio_specs [Google Nest Audio device specifications] (“Processor[:] Quad Core A53 1.8 GHz”); https://support.google.com/googlenest/answer/7072284 [Google Nest and Home device specifications] (“Google Nest Mini (2nd gen)[:] Quad-core 64-bit ARM CPU 1.4 GHz”; “Google Home Max[:] 1.5 GHz 64-bit quad-core ARM® Cortex™ A53”; and “Google Nest Audio[:] Quad Core A53 1.8 GHz”).
[1.4] tangible, non-transitory, computer readable memory	Each '025 Cast-enabled media player includes tangible, non-transitory, computer-readable memory comprising executable program instructions that enable the '025 Cast-enabled media

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comprising instructions encoded therein, wherein the instructions, when executed by the one or more processors, cause the playback device to	player to perform the functions identified below. <i>See, e.g.</i>, SONOS-ITC-00157909 - SONOS-ITC-00157914 [Google Home Max Tech Specs]; https://store.google.com/product/nest_audio_specs [Google Nest Audio Tech Specs]; https://store.google.com/product/google_nest_mini_specs [Google Nest Mini Tech Specs]; https://support.google.com/googlenest/answer/7072284 [Google Nest and Home device specifications].
[1.5] receive a signal from a controller over the network, wherein the signal comprises an instruction for the playback device to become paired with one or more other playback devices such that, after pairing, the playback device and the one or more other playback devices have different playback roles; and	Each '025 Cast-enabled media player comprises program instructions that, when executed by the '025 Cast-enabled media player's one or more processors, cause the '025 Cast-enabled media player to receive a signal from a Cast-enabled controller over the network, where the signal comprises an instruction for the '025 Cast-enabled media player to become paired with one or more other '025 Cast-enabled media players such that, after pairing, the '025 Cast-enabled media player and the one or more other '025 Cast-enabled media players have different playback roles. For instance, each '025 Cast-enabled media player is programmed with the capability to receive, from a Cast-enabled controller over a Wi-Fi network, a request that directs the '025 Cast-enabled media player to set up a “speaker pair” configuration with another '025 Cast-enabled media player of the same type (which is a configuration for “stereo sound” that Google also refers to as a “stereo pair”). <i>See, e.g.</i>, SONOS-ITC-00157994 -SONOS-ITC-00157995 [Pair Google Home Max speakers] at 94 (“Pair Google Home Max speakers[:] You can pair two Google Home Max speakers (devices) for stereo sound and an immersive experience for music and casting Step 1. Place speakers in the best position in your room.... Step 2. Set up both Google Home Max speakers Step 3. Pair the speakers Step 4. Control the speaker pair.”); SONOS-ITC-00157909 - SONOS-ITC-00157914 [Google Home Max Tech Specs] at 13 (“Wireless stereo pairing”); https://support.google.com/googlenest/answer/7559493 [Pair two speakers for stereo sound] (“For an immersive music and media experience, you can connect two speakers to set up stereo sound. Stereo sound pairing is available on Google Home, Google Nest Mini (2nd gen), Google Home Mini (1st gen), Google Home Max and Google Nest Audio. Both devices need to be the same model (Example: two Nest Mini speakers or two Nest Audio speakers) and located in the same room.”).

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	In a “speaker pair” configuration, one ’025 Cast-enabled media player has the role of playing back the left audio channel, and the other ’025 Cast-enabled media player has the role of playing back the right audio channel. <i>See, e.g.</i>, Ex. 69 (“Tap Left or Right to match the location of the blinking speaker ...”) (emphasis in original); Ex. 134 at pp. 100-106; https://support.google.com/googlenest/answer/7559493 [Pair two speakers for stereo sound]; https://source.chromium.org/chromium/chromium/src/+main:chromecast/public/media/audio_post_processor2_shlib.h: <pre>124 // Called when device is playing as part of a stereo pair. 125 // channel is the playout channel on this device (0 for left, 1 for right). 126 // or -1 if the device is not part of a stereo pair. 127 virtual void SetPlayoutChannel(int channel) {}</pre> https://source.chromium.org/chromium/chromium/src/+main:chromecast/public/media/audio_post_processor_shlib.h (same); https://source.chromium.org/chromium/chromium/src/+main:media/base/channel_mixing_matrix.cc; https://source.chromium.org/chromium/chromium/src/+main:media/base/channel_mixer.h?q=channel_mixer&ss=chromium. Google’s instructions for stereo pairing two Google Home Max devices are reproduced below:
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	 Google Home Max  Step 1. Place speakers in the best position in your room For the best sound quality, place the 2 speakers: • On top of the silicone bases, with the bases placed in the middle of the bottom of the speakers. • On top of a solid, level surface and away from the edge of the surface. • About 10 ft apart. • About 8-10 ft from your typical listening position. • At the same height. This height should be around the same height as your ears. • In the same orientation, either both placed vertically or both placed horizontally. Step 2. Set up both Google Home Max speakers Set up both Google Home Max speakers in the Google Home app. Once they're set up, they should appear in the app as separate devices. Step 3. Pair the speakers 1. Make sure your mobile device or tablet is connected to the same Wi-Fi or linked to the same account as your Google Nest or Home speaker. 2. Open the Google Home app . 3. Tap Devices . 4. Touch and hold one of the speakers you want to pair. 5. Tap Settings  > Audio > Stereo pair > Next. 6. Select 2 devices you'd like to pair > Next. 7. The lights on one of the speakers should start to flash white. Tap Left or Right to match the location of the speaker that blinks > Next. 8. Under "Where is your pair?" choose a room for the stereo pair > tap Next. 9. Create a name for your stereo pair > tap Next > Done. To change settings and control your stereo pair, open the Google Home app > tap Devices  > your stereo pair's tile. https://support.google.com/googlenest/answer/7559493 [Pair two speakers for stereo sound]. Google's instructions for stereo pairing two Google Nest Audio devices are reproduced below:
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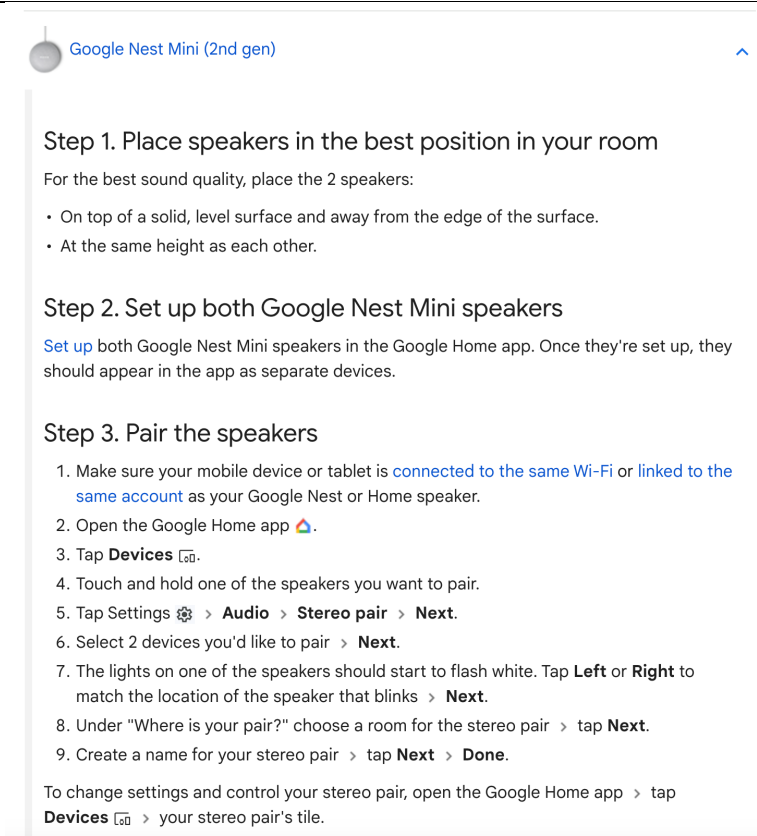
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	 Google Nest Audio Step 1. Place speakers in the best position in your room For the best sound quality, place the 2 speakers: • On top of a solid, level surface and away from the edge of the surface. • At the same height as each other. Step 2. Set up both Nest Audio speakers Set up both Nest Audio speakers in the Google Home app. Once they're set up, they should appear in the app as separate devices. Step 3. Pair the speakers 1. Make sure your mobile device or tablet is connected to the same Wi-Fi or linked to the same account as your Google Nest or Home speaker. 2. Open the Google Home app . 3. Tap Devices . 4. Touch and hold one of the speakers you want to pair. 5. Tap Settings  > Audio > Stereo pair > Next. 6. Select 2 devices you'd like to pair > Next. 7. The lights on one of the speakers should start to flash white. Tap Left or Right to match the location of the speaker that blinks > Next. 8. Under "Where is your pair?" choose a room for the stereo pair > tap Next. 9. Create a name for your stereo pair > tap Next > Done. To change settings and control your stereo pair, open the Google Home app > tap Devices  > your stereo pair's tile. <i>Id.</i> Google's instructions for stereo pairing two Google Home devices are reproduced below:
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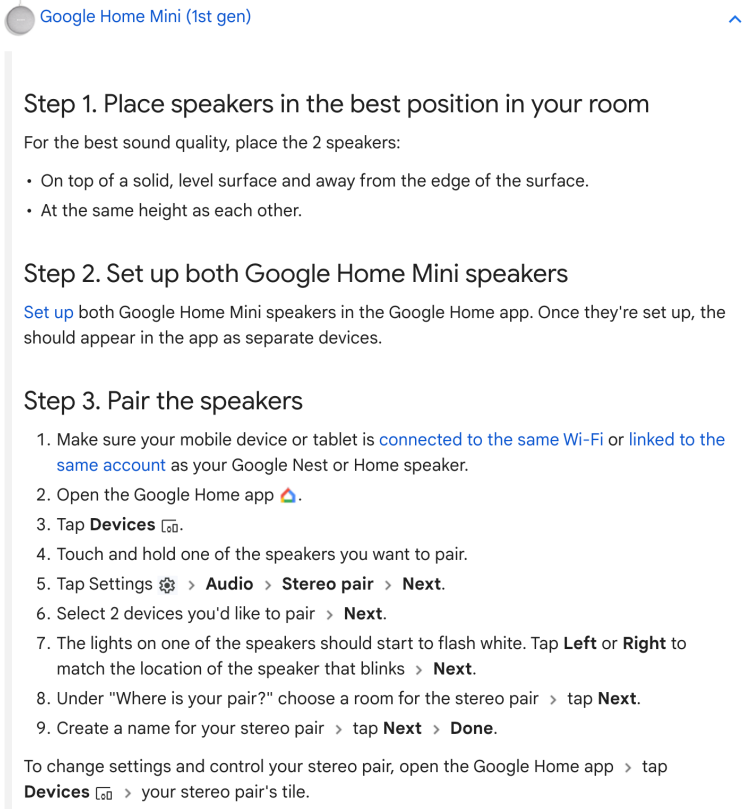
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	Google Home Step 1. Place speakers in the best position in your room For the best sound quality, place the 2 speakers: • On top of a solid, level surface and away from the edge of the surface. • At the same height as each other. Step 2. Set up both Google Home speakers Set up both Google Home speakers in the Google Home app. Once they're set up, they should appear in the app as separate devices. Step 3. Pair the speakers 1. Make sure your mobile device or tablet is connected to the same Wi-Fi or linked to the same account as your Google Nest or Home speaker. 2. Open the Google Home app . 3. Tap Devices . 4. Touch and hold one of the speakers you want to pair. 5. Tap Settings  > Audio > Stereo pair > Next. 6. Select 2 devices you'd like to pair > Next. 7. The lights on one of the speakers should start to flash white. Tap Left or Right to match the location of the speaker that blinks > Next. 8. Under "Where is your pair?" choose a room for the stereo pair > tap Next. 9. Create a name for your stereo pair > tap Next > Done. To change settings and control your stereo pair, open the Google Home app > tap Devices  > your stereo pair's tile. <i>Id.</i> Google's instructions for stereo pairing two Google Nest Mini (2nd gen) devices are reproduced below:
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	 Google Nest Mini (2nd gen) Step 1. Place speakers in the best position in your room For the best sound quality, place the 2 speakers: • On top of a solid, level surface and away from the edge of the surface. • At the same height as each other. Step 2. Set up both Google Nest Mini speakers Set up both Google Nest Mini speakers in the Google Home app. Once they're set up, they should appear in the app as separate devices. Step 3. Pair the speakers 1. Make sure your mobile device or tablet is connected to the same Wi-Fi or linked to the same account as your Google Nest or Home speaker. 2. Open the Google Home app . 3. Tap Devices . 4. Touch and hold one of the speakers you want to pair. 5. Tap Settings  > Audio > Stereo pair > Next. 6. Select 2 devices you'd like to pair > Next. 7. The lights on one of the speakers should start to flash white. Tap Left or Right to match the location of the speaker that blinks > Next. 8. Under "Where is your pair?" choose a room for the stereo pair > tap Next. 9. Create a name for your stereo pair > tap Next > Done. To change settings and control your stereo pair, open the Google Home app > tap Devices  > your stereo pair's tile. <i>Id.</i> Google's instructions for stereo pairing two Google Home Mini (1st gen) devices are reproduced below:
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	 <i>Id.</i>
[1.6] (i) determine that either (a) the playback device is not paired with the one or more other playback devices or (b) that the playback device is paired with the one or more other playback devices such that the playback device and the one or more other	Each '025 Cast-enabled media player comprises program instructions that, when executed by the '025 Cast-enabled media player's one or more processors, cause the '025 Cast-enabled media player to determine that either (a) the '025 Cast-enabled media player is not paired with another '025 Cast-enabled media player or (b) the '025 Cast-enabled media player is paired with another '025 Cast-enabled media player such that the paired '025 Cast-enabled media players have different playback roles. For instance, as noted above, each '025 Cast-enabled media player is programmed with the capability to operate as part of a “speaker pair” configuration or not as part of such a

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playback devices have the different playback roles,	configuration, where a “speaker pair” configuration involves one ’025 Cast-enabled media player having the role of playing back the left audio channel and the other ’025 Cast-enabled media player having the role of playing back the right audio channel. <i>See</i> claim limitation 1.5. Further, each ’025 Cast-enabled media player is programmed with the capability to determine its pairing status (e.g., whether it is “paired” or “not paired”) at various times, including but not limited to when the ’025 Cast-enabled media player receives a request that directs it to set up or separate a “speaker pair,” when the ’025 Cast-enabled media player is performing certain functions in accordance with its current pairing status, and/or when the ’025 Cast-enabled media player powers up. <i>See, e.g.</i>, SONOS-ITC-00157994 -SONOS-ITC-00157995 [Pair Google Home Max speakers] at 94 (“Pair the speakers . . . Unpair speakers”); SONOS-ITC-00157909 -SONOS-ITC-00157914; https://support.google.com/googlenest/answer/7559493 [Pair two speakers for stereo sound] (“Pair the speakers,” “Control the stereo pair,” and “Unpair speakers”).
[1.7] (ii) configure the playback device to perform a first processing of the audio data so as to output two-channel audio based on the audio data from the one or more speaker drivers after the playback device has determined it is not paired with the one or more other playback devices, and [1.8] (iii) change the configuration of the playback device by configuring the playback device to perform a second processing of the audio data so as to output one-channel audio based on the audio data	Each ’025 Cast-enabled media player comprises program instructions that, when executed by the ’025 Cast-enabled media player’s one or more processors, cause the ’025 Cast-enabled media player to configure itself to perform a first processing of the audio data so as to output two-channel audio based on the audio data from the one or more speaker drivers after the ’025 Cast-enabled media player has determined it is not paired with another ’025 Cast-enabled media player, and change the configuration of the ’025 Cast-enabled media player by configuring the ’025 Cast-enabled media player to perform a second processing of the audio data so as to output one-channel audio based on the audio data from the one or more speaker drivers after the ’025 Cast-enabled media player has determined it is paired with another ’025 Cast-enabled media player. For instance, as explained above, each ’025 Cast-enabled media player is programmed with the capability to determine its pairing status (e.g., whether it is “paired” or “not paired”) at various times. Further, each ’025 Cast-enabled media player is programmed with the capability to change how it processes audio data received over Wi-Fi (including but not limited to its channel output) when it is “paired” versus when it is “not paired.” <i>See, e.g.</i>, Ex. 69 (“Pair the speakers

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from the one or more speaker drivers after the playback device has determined it is paired with the one or more other playback devices.

Unpair speakers”); Ex. 132; Ex. 134 at pp. 100-106;

<https://support.google.com/googlenest/answer/7559493> [Pair two speakers for stereo sound]; https://source.chromium.org/chromium/chromium/src/+main:chromecast/public/media/audio_post_processor2_shlib.h:

```
124 // Called when device is playing as part of a stereo pair.
125 // |channel| is the playout channel on this device (0 for left, 1 for right).
126 // or -1 if the device is not part of a stereo pair.
127 virtual void SetPlayoutChannel(int channel) {}
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https://source.chromium.org/chromium/chromium/src/+main:chromecast/public/media/audio_post_processor_shlib.h (same).

As one specific example, when the '025 Cast-enabled media player is not in a “speaker pair” configuration, the '025 Cast-enabled media player is configured to perform a first processing of audio data so as to output two-channel audio (e.g., both left and right audio channels) from its speaker driver(s). *See, e.g.,*

https://chromium.googlesource.com/chromium/src/+610f97e231bc5c864f1fddbb8d32893565126960/chromecast/media/cma/backend/mixer/mixer_pipeline.h:

```
79 // Informs FilterGroups and PostProcessors which channel will be played out.
80 // |playout_channel| may be |-1| to signal all channels will be played out.
81 void SetPlayoutChannel(int playout_channel);
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https://chromium.googlesource.com/chromium/src/+610f97e231bc5c864f1fddbb8d32893565126960/chromecast/media/cma/backend/mixer/mixer_input.cc;

https://source.chromium.org/chromium/chromium/src/+main:media/base/channel_mixer.cc;

https://source.chromium.org/chromium/chromium/src/+main:media/base/channel_mixing_matrix.cc.

But, when the '025 Cast-enabled media player is in a “speaker pair” configuration with another '025 Cast-enabled media player, the '025 Cast-enabled media player is configured to perform a second processing of audio data so as to output one-channel audio (e.g., the left or right audio channels) from its speaker driver(s). *See, e.g.,*

https://source.chromium.org/chromium/chromium/src/+main:chromecast/public/media/audio_p

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	ost_processor2_shlib.h (“Called when device is playing <i>as part of a stereo pair</i>. channel is the <i>playout channel</i> on this device (<i>0 for left, 1 for right</i>). or -1 if the device is not part of a stereo pair.”); Ex. 69 (“Tap Left or Right to match the location of the blinking speaker”) (emphasis original); SONOS-ITC-00157994 -SONOS-ITC-00157995 [Pair Google Home Max speakers] at 94 (“When two speakers are paired, your Assistant lives and responds on the left speaker. To use your Assistant on the right speaker, unpair the speakers using the steps below. Then you can use your Assistant on both speakers.”).
Claim: 10	’025 Cast-Enabled Media Players
[10.0] The playback device of claim 1, wherein the playback device is further configured to	As described above, each ’025 Cast-enabled media player is a “playback device,” as recited in claim 1. Moreover, each ’025 Cast-enabled media player comprises program instructions that, when executed by the ’025 Cast-enabled media player’s one or more processors, cause the ’025 Cast-enabled media player to perform the functions identified below.
[10.1] (i) separate the audio data into separate audio channels,	Each ’025 Cast-enabled media player comprises program instructions that, when executed by the ’025 Cast-enabled media player’s one or more processors, cause the ’025 Cast-enabled media player to separate the audio data into separate audio channels. For instance, each ’025 Cast-enabled media player is programmed with the capability to separate audio data into separate audio channels, including but not limited to when the ’025 Cast-enabled media player decodes received audio data and/or when the ’025 Cast-enabled media player performs various other types of audio processing on received audio data before outputting audio based on that audio data as discussed above. <i>See</i> claim limitations 1.7 and 1.8; <i>see also, e.g.</i>, https://source.chromium.org/chromium/chromium/src/+/main:chromecast/media/cma/decoder/cast_audio_decoder.cc.
[10.2] (ii) output audio based on audio data of at least one separate audio channel from the one or more speaker drivers, and	Each ’025 Cast-enabled media player comprises program instructions that, when executed by the ’025 Cast-enabled media player’s one or more processors, cause the ’025 Cast-enabled media player to output audio based on audio data of at least one separate audio channel from the one or more speaker drivers. For instance, as discussed above, each ’025 Cast-enabled media player is programmed with the capability to output audio in accordance with its determined pairing status, which may involve

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	outputting at least one separate audio channel (e.g., one of the left or right audio channels) from one or more of the '025 Cast-enabled media player's speaker drivers when the '025 Cast-enabled media player is in a "speaker pair" configuration with another '025 Cast-enabled media player. <i>See</i> claim limitations 1.5 and 1.6.
[10.3] (iii) transmit audio data of at least one additional separate audio channel over the network.	Each '025 Cast-enabled media player comprises program instructions that, when executed by the '025 Cast-enabled media player's one or more processors, causes the '025 Cast-enabled media player to transmit audio data of at least one additional separate audio channel over the network. For instance, as discussed above, each '025 Cast-enabled media player is programmed with the capability to be selected for inclusion in a "speaker pair" configuration with another '025 Cast-enabled media player. In a "speaker pair" configuration one of the '025 Cast-enabled media players is designated to serve as a "leader" and the other '025 Cast-enabled media player is designated to serve as a "follower." <i>See, e.g.,</i> Ex. 134 at pp. 100-106; SONOS-ITC-00157994 - SONOS-ITC-00157995 [Pair Google Home Max speakers] at 94 ("When two speakers are paired, your Assistant lives and responds on the left speaker. To use your Assistant on the right speaker, unpair the speakers using the steps below. Then you can use your Assistant on both speakers."). Further, the '025 Cast-enabled media player designated to serve as the "leader" is operable to transmit, over a Wi-Fi network, audio data comprising at least one additional separate audio channel (e.g., audio data including at least the left or right audio channel) to the other '025 Cast-enabled media player designated to serve as the "follower."
Claim: 12	'025 Cast-Enabled Media Player
[12.0] The playback device of claim 1, wherein the playback device is further configured to	As described above, each '025 Cast-enabled media player is a "playback device," as recited in claim 1. Moreover, each '025 Cast-enabled media player comprises program instructions that, when executed by the '025 Cast-enabled media player's one or more processors, cause the '025 Cast-enabled media player to perform the functions identified below.
[12.1] (i) separate the audio data into separate audio channels,	Each '025 Cast-enabled media player comprises program instructions that, when executed by the '025 Cast-enabled media player's one or more processors, cause the '025 Cast-enabled media player to separate the audio data into separate audio channels. <i>See</i> claim limitation 10.1.

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[12.2] (ii) output audio based on audio data of at least one separate audio channel from the one or more speaker drivers, and	Each '025 Cast-enabled media player comprises program instructions that, when executed by the '025 Cast-enabled media player's one or more processors, cause the '025 Cast-enabled media player to output audio based on audio data of at least one separate audio channel from the one or more speaker drivers. <i>See</i> claim limitation 10.2.
[12.3] (iii) transmit the audio data over the network.	Each '025 Cast-enabled media player comprises program instructions that, when executed by the '025 Cast-enabled media player's one or more processors, cause the '025 Cast-enabled media player to transmit the audio data over the network. For instance, as discussed above, each '025 Cast-enabled media player is programmed with the capability to be selected for inclusion in a “speaker pair” configuration with another '025 Cast-enabled media player, where one of the '025 Cast-enabled media players in the “speaker pair” configuration is designated to serve as a “leader” and the other '025 Cast-enabled media player in the “speaker pair” configuration is designated to serve as a “follower.” <i>See</i> claim limitation 10.3. Further, as discussed above, the '025 Cast-enabled media player designated to serve as the “leader” is operable to transmit, over a Wi-Fi network, audio data to the other '025 Cast-enabled media player in the “speaker pair” configuration designated to serve as the “follower.” <i>See id.</i>
Claim: 13	'025 Cast-Enabled Media Players
[13.0] The playback device of claim 1, wherein the playback device is further configured to receive another signal from the controller over the network, wherein the other signal comprises an instruction for the playback device to separate the pair with the one or more other playback devices.	As described above, each '025 Cast-enabled media player is a “playback device,” as recited in claim 1. Moreover, each '025 Cast-enabled media player is further configured to receive another signal from the Cast-enabled controller over the network, where such signal comprises an instruction for the '025 Cast-enabled media player to separate the pair with the one or more other '025 Cast-enabled media players. For instance, each '025 Cast-enabled media players is programmed with the capability to receive, from a Cast-enabled controller over a Wi-Fi network, a request that directs the '025 Cast-enabled media player to “unpair speakers” and/or “separate [a] speaker pair” back into “individual” '025 Cast-enabled media players. <i>See, e.g.,</i> SONOS-ITC-00157994 -SONOS-ITC-00157995 [Pair Google Home Max speakers];

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	https://support.google.com/googlenest/answer/7559493 [Pair two speakers for stereo sound] (same). Google’s instructions for unpairing two Google Home Max devices are reproduced below: Unpair speakers If you no longer want to use your speakers as a stereo pair, you can unpair them. 1. Make sure your mobile device or tablet is connected to the same Wi-Fi or linked to the same account as your Google Nest or Home speaker. 2. Open the Google Home app . 3. Tap Devices . 4. Touch and hold the stereo pair's tile. 5. Tap Settings  > Separate stereo pair > Separate. Important: After you unpair your speakers, you need to relink the device that was on the right side to your Google Account: 1. Open the Google Home app . 2. Tap Devices . 3. Touch and hold the right-side speaker that you need to relink. 4. Tap Settings  > Link account. In Devices , your 2 speakers should have separate device tiles. <i>Id.</i> Google’s instructions for unpairing two Google Nest Audio devices are reproduced below:
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	Unpair speakers If you no longer want to use your speakers as a stereo pair, you can unpair them. 1. Make sure your mobile device or tablet is connected to the same Wi-Fi or linked to the same account as your Google Nest or Home speaker. 2. Open the Google Home app . 3. Tap Devices . 4. Touch and hold the stereo pair's tile. 5. Tap Settings  > Separate stereo pair > Separate. Important: After you unpair your speakers, you need to relink the device that was on the right side to your Google Account: 1. Open the Google Home app . 2. Tap Devices . 3. Touch and hold the right-side speaker that you need to relink. 4. Tap Settings  > Link account. In Devices , your 2 speakers should have separate device tiles. <i>Id.</i> Google's instructions for unpairing two Google Home devices are reproduced below: Unpair speakers If you no longer want to use your speakers as a stereo pair, you can unpair them. 1. Make sure your mobile device or tablet is connected to the same Wi-Fi or linked to the same account as your Google Nest or Home speaker. 2. Open the Google Home app . 3. Tap Devices . 4. Touch and hold the stereo pair's tile. 5. Tap Settings  > Separate stereo pair > Separate. Important: After you unpair your speakers, you need to relink the device that was on the right side to your Google Account: 1. Open the Google Home app . 2. Tap Devices . 3. Touch and hold the right-side speaker that you need to relink. 4. Tap Settings  > Link account. In Devices , your 2 speakers should have separate device tiles. <i>Id.</i>
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	Google’s instructions for unpairing two Google Nest Mini (2nd gen) devices are reproduced below: Unpair speakers If you no longer want to use your speakers as a stereo pair, you can unpair them. 1. Make sure your mobile device or tablet is connected to the same Wi-Fi or linked to the same account as your Google Nest or Home speaker. 2. Open the Google Home app . 3. Tap Devices . 4. Touch and hold the stereo pair's tile. 5. Tap Settings  > Separate stereo pair > Separate. Important: After you unpair your speakers, you need to relink the device that was on the right side to your Google Account: 1. Open the Google Home app . 2. Tap Devices . 3. Touch and hold the right-side speaker that you need to relink. 4. Tap Settings  > Link account. In Devices , your 2 speakers should have separate device tiles. <i>Id.</i> Google’s instructions for unpairing two Google Home Mini (1st gen) devices are reproduced below:
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Ex. I – Initial Infringement Contention Chart: U.S. Patent No. 10,966,025

	Unpair speakers If you no longer want to use your speakers as a stereo pair, you can unpair them. 1. Make sure your mobile device or tablet is connected to the same Wi-Fi or linked to the same account as your Google Nest or Home speaker. 2. Open the Google Home app . 3. Tap Devices . 4. Touch and hold the stereo pair's tile. 5. Tap Settings  > Separate stereo pair > Separate. Important: After you unpair your speakers, you need to relink the device that was on the right side to your Google Account: 1. Open the Google Home app . 2. Tap Devices . 3. Touch and hold the right-side speaker that you need to relink. 4. Tap Settings  > Link account. In Devices , your 2 speakers should have separate device tiles. <i>Id.</i>
Claim: 18	'025 Cast-Enabled Media Players
[18.0] Tangible, non-transitory, computer readable memory comprising instructions encoded therein, wherein the instructions, when executed by one or more processors, cause a playback device to:	As described in further detail below, each '025 Cast-enabled media player is a “playback device” comprising tangible, non-transitory computer readable memory having encoded instructions that, when executed by one or more processors, cause a '025 Cast-enabled media player to perform the functions recited in claim 18.
[18.1] receive a signal from a controller over a network, wherein the signal comprises an instruction for the playback device to become paired with one or more other playback devices such that, after pairing, the playback device and the one or more other playback devices have different playback roles;	Each '025 Cast-enabled media player comprises tangible, non-transitory computer readable memory having encoded instructions that, when executed by one or more processors, cause a '025 Cast-enabled media player to receive a signal from a Cast-enabled controller over a network, where the signal comprises an instruction for the '025 Cast-enabled media player to become paired with one or more other '025 Cast-enabled media players such that, after pairing, the '025 Cast-enabled media player and the one or more other '025 Cast-enabled media players have different playback roles. <i>See</i> claim limitation 1.5.

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[18.2] receive audio data over the network;	Each '025 Cast-enabled media player comprises tangible, non-transitory computer readable memory having encoded instructions that, when executed by one or more processors, cause a '025 Cast-enabled media player to receive audio data over the network. <i>See</i> claim limitation 1.1.
[18.3] after the playback device has determined it is not paired with the one or more other playback devices, configuring the playback device to perform a first processing of the audio data so as to output two-channel audio based on the audio data from one or more speaker drivers; and [18.4] after the playback device has determined it is paired with the one or more other playback devices such that the playback device and the one or more other playback devices have the different playback roles, change the configuration of the playback device by configuring the playback device to perform a second processing of the audio data so as to output one-channel audio based on the audio data from the one or more speaker drivers.	Each '025 Cast-enabled media player comprises tangible, non-transitory computer readable memory having encoded instructions that, when executed by one or more processors, cause a '025 Cast-enabled media player to, (i) after the '025 Cast-enabled media player has determined it is not paired with the one or more other '025 Cast-enabled media players, configuring the '025 Cast-enabled media player to perform a first processing of the audio data so as to output two-channel audio based on the audio data from one or more speaker drivers, and (ii) after the '025 Cast-enabled media player has determined it is paired with the one or more other '025 Cast-enabled media players such that the '025 Cast-enabled media player and the one or more other '025 Cast-enabled media players have the different playback roles, change the configuration of the '025 Cast-enabled media player by configuring the '025 Cast-enabled media player to perform a second processing of the audio data so as to output one-channel audio based on the audio data from the one or more speaker drivers. <i>See</i> claim limitations 1.7 and 1.8.