

EXHIBIT H2 - U.S. PATENT 9,147,296 Infringement Claim Chart

Upon information and belief, all '296 Accused Instrumentalities use the same or similar structures to implement the features described in the following chart in materially the same way, unless expressly stated otherwise. Accordingly, the described structures, features, and corresponding infringement contentions are representative of infringement by all '296 Accused Instrumentalities, including Accused Instrumentalities of the Ford and Lincoln brands. In addition, the exemplary evidence cited herein, while representative of all '296 Accused Instrumentalities, is non-exhaustive, based on publicly available information, and provided for illustrative purposes only. AutoConnect reserves the right to supplement or amend these contentions based on information obtained during discovery, and to rely on additional evidence consistent with the infringement theories set forth in its infringement contentions.

U.S. Patent 9,147,296		Ford Infringing Activities
Row	Claim 1	
1A	A method, comprising: determining a location inside a vehicle associated with a user;	The '296 Accused Instrumentalities determine a location inside a vehicle associated with a user. For example, the '296 Accused Instrumentalities include a user profile feature that can automatically load a user's driver settings, such as seat settings, by one of several recognition mechanisms when the vehicle is started. For example, the '296 Accused Instrumentalities can detect a user's mobile device using hardware and software, such as Bluetooth nodes located in the vehicle and associated software that determines the mobile device is in an area of the vehicle and whether there is an associated user account. ¹ When a paired mobile device with an associated user account is detected by the vehicle, the '296 Accused Instrumentalities determine that the user associated with the account is located in the driver's seat. As another example, the '296 Accused Instrumentalities may include a Phone As A Key feature that enables the use of a Bluetooth-paired mobile device to lock, unlock, and/or operate the vehicle. ² The mobile device with Phone As A Key is linked to the user's account through the

¹ See, e.g., <https://www.ford.com/support/how-tos/ford-app/phone-as-a-key/how-do-i-set-up-phone-as-a-key-with-the-ford-app/>; <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/ford-app/phone-as-a-key/what-is-phone-as-a-key-in-the-ford-app/>; https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=8530&languageCode=en&countryCode=USA&Uid=G2103918&ProcUid=G2149426&userMarket=usa&div=f&vFilteringEnabled=False&buildtype=web; <https://media.lincoln.com/content/dam/lincolnmedia/lna/us/product/2020/Aviator/Lincoln-Phone-AsAKey-Fact-Sheet.pdf>.

² See, e.g., <https://www.youtube.com/watch?v=Xzu1uzgjICA>; <https://www.youtube.com/watch?v=aSO8q4RZwAI>; <https://media.lincoln.com/content/dam/lincolnmedia/lna/us/product/2020/Aviator/Lincoln-Phone-AsAKey-Fact-Sheet.pdf>.

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	FordPass App ³ and recognized by the vehicle via Bluetooth connection, which causes the vehicle to load the driver profile associated with the Phone As A Key, including any saved driver seat settings. ⁴
1B	The '296 Accused Instrumentalities determine at least one vehicle control associated with the location inside the vehicle. For example, in loading the profile of the determined user, the '296 Accused Instrumentalities determine vehicle control settings associated with the driver's seat position. For example, the user account described in Row 1A can store preferred settings for various vehicle controls associated with the driver seat of the vehicle, such as seat position, steering wheel position, and mirror position, as well as software settings relating to the in-dash display. ⁵
1C	The '296 Accused Instrumentalities determine a presence of the user inside the vehicle, wherein determining the presence of the user comprises detecting a device associated with the user in an area of the vehicle. For example, the vehicle control system of the '296 Accused Instrumentalities can detect a user's mobile device via Bluetooth, either through the infotainment system or the Phone As A Key system, in an area of the vehicle, such as the vehicle interior. ⁶ The vehicle control system

³ The Ford and Lincoln applications are materially identical with respect to the operation and implementation of Phone As A Key, and all references to the "FordPass App" should be understood as applying to both applications.

⁴ See, e.g., <https://www.youtube.com/watch?v=XzuluzgJICA>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>; <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; [https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/](https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;); <https://www.ford.com/technology/ford-digital-experience/>;

⁵ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; [https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/](https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;); <https://www.ford.com/technology/ford-digital-experience/>;

⁶ See, e.g., <https://media.lincoln.com/content/dam/lincolmedia/lna/us/product/2020/Aviator/Lincoln-Phone-AsAKey-Fact-Sheet.pdf>.

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	contains software that determines whether the detected device is associated with a user profile.⁷ For example, the vehicle control system determines whether a device with Phone As A Key privileges is connected to the system and the user profile associated with that device.⁸ As another example, the vehicle control system determines whether a device is connected to the infotainment system and, if a user profile is linked to that device, the vehicle control system determines that the user is present inside the vehicle. <i>See also</i> Row 1A.
1D	referring to a user profile memory associated with the user for vehicle control settings; The '296 Accused Instrumentalities refer to a user profile memory associated with the user for vehicle control settings. For example, the '296 Accused Instrumentalities store the user profile and associated settings onboard the vehicle in memory and/or in the cloud and refer to this memory to update the vehicle control settings.⁹ When the user is recognized and determined by the '296 Accused Instrumentalities to be in the driver seat, the '296 Accused Instrumentalities are programmed to refer to the profile for that user and determine whether any vehicle control settings are saved in the profile.¹⁰

⁷ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/technology/ford-digital-experience/>.

⁸ See, e.g., <https://www.youtube.com/watch?v=Xzu1uzgjICA>; <https://www.youtube.com/watch?v=aSO8q4RZwAI>;

⁹ See, e.g., <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://www.ford.com/support/how-tos/sync/sync-4a/how-do-i-personalize-my-sync-4a-settings/>; <https://www.youtube.com/watch?v=Xzu1uzgjICA>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>; https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/support/how-tos/fordpass/phone-as-a-key/what-is-phone-as-a-key-in-fordpass>.

¹⁰ See, e.g., *id.*

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1E determining, based at least partially on the vehicle control settings, to adjust the at least one vehicle control associated with the location inside the vehicle; and	The '296 Accused Instrumentalities identify the current vehicle control settings and determine any settings associated with the driver seat position that need to be adjusted to match the saved user profile settings. For example, the '296 Accused Instrumentalities execute instructions that determine how the identified vehicle control settings must be adjusted to match the vehicle control settings associated with the determined location inside the vehicle saved in the user profile. For example, the '296 Accused Instrumentalities compare the state of vehicle controls associated with the driver seat, such as seat positions, steering wheel positions, and/or mirror positions, as well as settings relating to the in-dash display, with the saved settings in the user profile and determines whether any adjustments are necessary for the vehicle controls to match the saved settings.¹¹ <i>See also</i> Row 1D.
1F providing an adjustment output to a vehicle control system, wherein the adjustment output is provided based at least partially on determining the user is present in the location inside the vehicle, wherein the vehicle control system is adapted to control the at least	The '296 Accused Instrumentalities provide an adjustment output to a vehicle control system, wherein the adjustment output is provided based at least partially on determining the user is present in the location inside the vehicle, wherein the vehicle control system is adapted to control the at least one vehicle control associated with the location inside the vehicle. For example, upon determining a setting associated with the driver seat position needs to be adjusted to match the saved user profile settings, the '296 Accused Instrumentalities execute instructions that cause the vehicle control system to adjust the vehicle controls to match the settings in the profile, such as by causing signals to be sent to motors and actuators in the vehicle to adjust the mirror positions, driver seat position, or steering wheel position or to change settings relating to the in-dash display.¹²

¹¹ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; https://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/technology/ford-digital-experience/>; <https://youtu.be/h3457G5mWF0>.

¹² See, e.g., <https://www.ford.com/support/how-tos/ford-app/phone-as-a-key/what-is-phone-as-a-key-in-the-ford-app/>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; https://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA

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	one vehicle control associated with the location inside the vehicle.	
Row	Claim 3	
3	The method of claim 1, wherein the at least one vehicle control includes one or more vehicle features such as a seat system, a steering control, a foot pedal control, a foot pedal control, a mirror position, and a display device.	The '296 Accused Instrumentalities perform the method of claim 1, as described above. The at least one vehicle control includes one or more of vehicle features such as a seat system, a steering control, a foot pedal control, a mirror position, and a display device. As described in Claim 1, Rows 1B-1F, the '296 Accused Instrumentalities will send an adjustment output to the vehicle control system to adjust vehicle control settings based on the saved user profile settings of the detected user.¹³ For example, the vehicle control system will send an adjustment output to the in-dash display, seat position, and/or mirror position to match the settings saved in the user profile of the detected user, such as by causing signals to be sent to motors and actuators in the vehicle to adjust the mirror positions, steering wheel position, or driver seat position or to change settings relating to the in-dash display. <i>See also</i> Claim 1, Rows 1B-1F.
Row	Claim 4	

[&Uid=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;https://www.ford.com/technology/ford-digital-experience/](https://www.ford.com/technology/ford-digital-experience/); <https://youtu.be/h3457G5mWF0>.

¹³ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync-how-to-i-create-a-personal-profile-with-sync/>; <https://youtu.be/h3457G5mWF0>;

https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&UId=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;
<https://www.ford.com/technology/ford-digital-experience/>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>.

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4	The method of claim 3, wherein the vehicle control settings include at least one of a position, a sensitivity, an angle, and a movement, associated with the one or more vehicle features.	The '296 Accused Instrumentalities perform the method of claim 3, as described above. The vehicle control settings include at least one of a position, a sensitivity, an angle, and a movement, associated with the one or more vehicle features. For example, the vehicle control system will send an adjustment output with respect to the position and angle of the driver seat, steering wheel, and/or mirrors; and settings associated with the in-dash display, such as day or night mode, screen contrast, and more.¹⁴
Row	Claim 6	
6	The method of claim 1, further comprising: determining that the user made a change to the adjusted at least one vehicle control; and storing the change made to the adjusted at least one vehicle control in the user profile memory.	The '296 Accused Instrumentalities perform the method of claim 1, as described above. The vehicle control system of the '296 Accused Instrumentalities can determine that the user made a change to the adjusted at least one vehicle control and store the change made to the adjusted at least one vehicle control in the user profile memory. The vehicle control system includes software and/or vehicle sensors that detect and determine whether a vehicle control in the user profile is changed by the user relative to the settings stored in the user profile. Upon determining that a vehicle control setting has been changed, the vehicle then stores the change in the user profile memory so that it is retrieved and automatically applied on subsequent trips.¹⁵

¹⁴ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>;
<https://youtu.be/h3457G5mWF0>;

https://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&UId=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;
<https://www.ford.com/technology/ford-digital-experience/>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>.

¹⁵ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>;
<https://youtu.be/h3457G5mWF0>;

https://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&UId=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;

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		See Claim 1, Row 1D.
Row	Claim 7	
7A	A method, comprising: determining a location inside a vehicle associated with a user;	The '296 Accused Instrumentalities perform a method that includes determining a location inside a vehicle associated with a user. For example, the '296 Accused Instrumentalities include a Personal Profile feature that can automatically load a user's driver settings, such as seat settings, by one of several recognition mechanisms when the vehicle is started. For example, the '296 Accused Instrumentalities can detect a user's mobile device using hardware and software, such as Bluetooth nodes located in the vehicle and associated software that determines the mobile device is in an area of the vehicle and whether there is an associated user account.¹⁶ When a paired mobile device with an associated user account is detected by the vehicle, the '296 Accused Instrumentalities determine that the user associated with the account is located in the driver's seat. As another example, the '296 Accused Instrumentalities may include a Phone As A Key feature that enables the use of a Bluetooth-paired mobile device to lock, unlock, and/or operate the vehicle.¹⁷ The mobile device with Phone As A Key is linked to the user's account through the FordPass App and recognized by the vehicle via

<https://www.ford.com/technology/ford-digital-experience/>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>.

¹⁶ See, e.g., <https://www.ford.com/support/how-tos/ford-app/phone-as-a-key/how-do-i-set-up-phone-as-a-key-with-the-ford-app/>; <https://www.ford.com/support/how-tos/ford-app/phone-as-a-key/what-is-phone-as-a-key-in-the-ford-app/>;

https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=8530&languageCode=en&countryCode=USA&Uid=G2103918&ProcUid=G2149426&userMarket=usa&div=f&vFilteringEnabled=False&buildtype=web;

<https://media.lincoln.com/content/dam/lincolnmedia/lna/us/product/2020/Aviator/Lincoln-Phone-AsAKey-Fact-Sheet.pdf>.

¹⁷ See, e.g., <https://www.youtube.com/watch?v=Xzu1uzgjICA>; <https://www.youtube.com/watch?v=aSO8q4RZwAl>; <https://media.lincoln.com/content/dam/lincolnmedia/lna/us/product/2020/Aviator/Lincoln-Phone-AsAKey-Fact-Sheet.pdf>.

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	Bluetooth connection, which causes the vehicle to load the profile associated with the Phone As A Key, including any saved driver seat settings. ¹⁸
7B	The '296 Accused Instrumentalities determine at least one vehicle control associated with the location inside the vehicle. For example, in loading the profile of the determined user, the '296 Accused Instrumentalities determine vehicle control settings associated with the driver's seat position. For example, the user account described in Row 7A can store preferred settings for various vehicle controls associated with the driver seat of the vehicle, such as seat position, steering wheel position, and mirror position, as well as software settings relating to the in-dash display. ¹⁹
	<i>See also</i> Row 7A.
7C	The '296 Accused Instrumentalities store the user profile and associated settings in vehicle memory and/or in the cloud and refer to this memory to update the vehicle control settings. For example, the '296 Accused Instrumentalities store the user profile and associated settings onboard the vehicle in memory and/or in the cloud and refer to this memory to update the vehicle control settings. ²⁰ When

¹⁸ See, e.g., <https://www.youtube.com/watch?v=XzuLuzgJICA>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>; <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/technology/ford-digital-experience/>.

¹⁹ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/technology/ford-digital-experience/>; <https://youtu.be/h3457G5mWF0>.

²⁰ See, e.g., <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://www.ford.com/support/how-tos/sync/sync-4a/how-do-i-personalize-my-sync-4a-settings/>; https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA

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	the user is recognized and determined by the '296 Accused Instrumentalities to be in the driver seat, the '296 Accused Instrumentalities are programmed to refer to the profile for that user and determine whether any vehicle control settings are saved in the profile.²¹ <i>See also</i> Row 7A.
7D determining, based at least partially on the vehicle control settings, to adjust the at least one vehicle control associated with the location inside the vehicle; and	The '296 Accused Instrumentalities identify the current vehicle control settings and determine any settings associated with the driver seat position that need to be adjusted to match the saved user profile settings. For example, the '296 Accused Instrumentalities execute instructions that determine how the identified vehicle control settings must be adjusted to match the vehicle control settings associated with the determined location inside the vehicle saved in the user profile. For example, the '296 Accused Instrumentalities compare the state of vehicle controls associated with the driver seat, such as seat positions, steering wheel positions, and/or mirror positions, as well as settings relating to the in-dash display, with the saved settings in the user profile and determines whether any adjustments are necessary for the vehicle controls to match the saved settings.²² <i>See also</i> Rows 7A-7C.
7E providing an adjustment output to a vehicle control system, wherein the vehicle control system is adapted to control the at least one vehicle control associated with the	Upon determining a driver seat setting that needs to be adjusted to match the saved user profile settings, the '296 Accused Instrumentalities provide an adjustment output to the vehicle control system to update that setting. For example, upon determining a setting associated with the driver seat position needs to be adjusted to match the saved user profile settings, the '296 Accused Instrumentalities execute instructions that cause the vehicle control system to adjust the vehicle

[&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=1&vFilteringEnabled=False&buildType=web;https://www.ford.com/support/how-tos/fordpass/phone-as-a-key/what-is-phone-as-a-key-in-fordpass/.](https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=1&vFilteringEnabled=False&buildType=web;https://www.ford.com/support/how-tos/fordpass/phone-as-a-key/what-is-phone-as-a-key-in-fordpass/)

²¹ *See, e.g., id.*

²² *See, e.g.,* <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>;

https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=1&vFilteringEnabled=False&buildType=web;https://www.ford.com/technology/ford-digital-experience/; <https://youtu.be/h3457G5mWF0>.

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	location inside the vehicle, wherein the at least one vehicle control is adjusted via the adjustment output to match the vehicle control settings in the user profile memory.	controls to match the settings in the profile, such as by causing signals to be sent to motors and actuators in the vehicle to adjust the mirror positions, driver seat position, or steering wheel position or to change settings relating to the in-dash display. ²³ <i>See also</i> Rows 7A-7D.
Row	Claim 8	
8A	A non-transitory computer readable medium having instructions stored thereon that, when executed by a processor, perform a method comprising determining a location inside a vehicle associated with a user; when executed by a processor, perform a method comprising: determining a location inside a vehicle associated with a user;	The '296 Accused Instrumentalities include a non-transitory computer readable medium having instructions stored thereon that, when executed by a processor, perform a method comprising determining a location inside a vehicle associated with a user. For example, the '296 Accused Instrumentalities include a Personal Profile feature that loads a user's driver settings, such as seat settings, by one of several recognition mechanisms. ²⁴ For example, the '296 Accused Instrumentalities can detect a user's mobile device using hardware and software, such as Bluetooth nodes located in the vehicle and associated software that determines the mobile device is in an area of the vehicle and whether there is an associated user account. ²⁵ When a paired mobile device with an

²³ See, e.g., <https://www.ford.com/support/how-tos/ford-app/phone-as-a-key/what-is-phone-as-a-key-in-the-ford-app/>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=1&vFilteringEnabled=False&buildType=web; <https://www.ford.com/technology/ford-digital-experience/>; <https://youtu.be/h3457G5mWF0>.

²⁴ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/sync-4a/how-do-i-personalize-my-sync-4a-settings/>; <https://www.ford.com/support/how-tos/fordpass/phone-as-a-key/what-is-phone-as-a-key-in-fordpass/>.
²⁵ See, e.g., <https://www.ford.com/support/how-tos/ford-app/phone-as-a-key/how-do-i-set-up-phone-as-a-key-with-the-ford-app/>; <https://www.ford.com/support/how-tos/ford-app/phone-as-a-key/what-is-phone-as-a-key-in-the-ford-app/>; https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=8530&languageCode=en&countryCode=USA&Uid=G2103918&ProcUId=G2149426&userMarket=usa&div=f&vFilteringEnabled=False&buildtype=web; <https://media.lincoln.com/content/dam/lincolnmmedia/lna/us/product/2020/Aviator/Lincoln-Phone-AsAKey-Fact-Sheet.pdf>.

EXHIBIT H2 - U.S. PATENT 9,147,296

Infringement Claim Chart

U.S. Patent 9,147,296	Ford Infringing Activities
	associated user account is detected by the vehicle, the '296 Accused Instrumentalities determine that the user associated with the account is located in the driver's seat. As another example, the '296 Accused Instrumentalities may include a Phone As A Key feature that enables the use of a Bluetooth-paired mobile device to lock, unlock, and/or operate the vehicle.²⁶ The mobile device with Phone As A Key is linked to the user's account through the FordPass App and recognized by the vehicle via Bluetooth connection, which causes the vehicle to load the profile associated with the Phone As A Key, including any saved driver seat settings.²⁷
8B	The non-transitory computer readable medium of the '296 Accused Instrumentalities contains instructions that, when executed, determine at least one vehicle control associated with the location inside the vehicle. For example, in loading the profile of the determined user, the '296 Accused Instrumentalities determine vehicle control settings associated with the driver's seat position. For example, the user account described in Row 8A can store preferred settings for various vehicle controls associated with the driver seat of the vehicle, such as seat position, steering wheel position, and mirror position, as well as software settings relating to the in-dash display.²⁸

²⁶ See, e.g., <https://www.youtube.com/watch?v=XzuIuzgjlCA>; <https://www.youtube.com/watch?v=aSO8q4RZwAl>; <https://media.lincoln.com/content/dam/lincolnmmedia/lna/us/product/2020/Aviator/Lincoln-Phone-AsAKey-Fact-Sheet.pdf>.

²⁷ See, e.g., <https://www.youtube.com/watch?v=XzuIuzgjlCA>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>; <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync>; [https://www.ford.com/support/how-tos/sync/getting-started-with-sync](https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&UId=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web); <https://www.ford.com/technology/ford-digital-experience/>.

²⁸ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&UId=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/technology/ford-digital-experience/>; <https://youtu.be/h3457G5mWF0>.

EXHIBIT H2 - U.S. PATENT 9,147,296

Infringement Claim Chart

U.S. Patent 9,147,296	Ford Infringing Activities
8C referring to a user profile memory associated with the user for vehicle control settings;	The non-transitory computer readable medium of the '296 Accused Instrumentalities contains instructions that, when executed, refer to a user profile memory associated with the user for vehicle control settings. For example, the '296 Accused Instrumentalities store the user profile and associated settings onboard the vehicle in memory and/or in the cloud and refer to this memory to update the vehicle control settings. ²⁹ When the user is recognized and determined by the '296 Accused Instrumentalities to be in the driver seat, the '296 Accused Instrumentalities are programmed to refer to the profile for that user and determine whether any vehicle control settings are saved in the profile. ³⁰
8D determining, based at least partially on the vehicle control settings, to adjust the at least one vehicle control associated with the location inside the vehicle; and	The non-transitory computer readable medium of the '296 Accused Instrumentalities contains instructions that, when executed, determine, based at least partially on the vehicle control settings, to adjust the at least one vehicle control associated with the location inside the vehicle. For example, the '296 Accused Instrumentalities execute instructions that determine how the identified vehicle control settings must be adjusted to match the vehicle control settings associated with the determined location inside the vehicle saved in the user profile. ³¹ For example, the '296 Accused Instrumentalities

²⁹ See, e.g., <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://www.ford.com/support/how-tos/sync/sync-4a/how-do-i-personalize-my-sync-4a-settings/>; <https://www.youtube.com/watch?v=XzuIuzgjICA>; [https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key](https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key;); https://www.fordservicecontent.com/Ford_Content/vdirlsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/support/how-tos/fordpass/phone-as-a-key/what-is-phone-as-a-key-in-fordpass>.

³⁰ See, e.g., *id.*

³¹ See, e.g., <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://www.ford.com/support/how-tos/sync/sync-4a/how-do-i-personalize-my-sync-4a-settings/>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>; https://www.fordservicecontent.com/Ford_Content/vdirlsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA

EXHIBIT H2 - U.S. PATENT 9,147,296

Infringement Claim Chart

U.S. Patent 9,147,296	Ford Infringing Activities
	compare the state of vehicle controls associated with the driver seat, such as seat positions, steering wheel positions, and/or mirror positions, as well as settings relating to the in-dash display, with the saved settings in the user profile and determines whether any adjustments are necessary for the vehicle controls to match the saved settings.³² <i>See also</i> Rows 8A-8C.
8E	providing an adjustment output to a vehicle control system, wherein the vehicle control system is adapted to control the at least one vehicle control associated with the location inside the vehicle, wherein the at least one vehicle control is adjusted via the adjustment output to match the vehicle control settings in the user profile memory. For example, upon determining a setting associated with the driver seat position needs to be adjusted to match the saved user profile settings, the '296 Accused Instrumentalities execute instructions that cause the vehicle control system to adjust the vehicle controls to match the settings in the profile, such as by causing signals to be sent to motors and actuators in the vehicle to adjust the mirror positions, driver seat position, or steering wheel position or to change settings relating to the in-dash display.³³
Row	Claim 9

&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;
<https://www.ford.com/support/how-tos/fordpass/phone-as-a-key/what-is-phone-as-a-key-in-fordpass>.

³² *See, e.g., id.*

³³ *See, e.g.,* <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>; https://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/support/how-tos/fordpass/phone-as-a-key/what-is-phone-as-a-key-in-fordpass>.

EXHIBIT H2 - U.S. PATENT 9,147,296

Infringement Claim Chart

U.S. Patent 9,147,296		Ford Infringing Activities
9	The non-transitory computer readable medium of claim 8, wherein prior to providing the adjustment output, the method further comprises: determining a presence of the user inside the vehicle, wherein the adjustment output is provided based at least partially on determining the user is present in the location of the vehicle. ³⁴	The '296 Accused Instrumentalities include the non-transitory computer readable medium of claim 8, as described above. Prior to providing the adjustment output, the vehicle determines a presence of the user inside the vehicle, wherein the adjustment output is provided based at least partially on determining the user is present in the location of the vehicle. The vehicle determines a presence of the user inside the vehicle by, for example, detecting the user's registered device when the vehicle has been started through Phone As A Key or infotainment system identification. ³⁴
Row	Claim 11	
11	The non-transitory computer readable medium of claim 8, wherein the at least one vehicle control includes one or more vehicle features such as a seat system, a steering control, a foot pedal control, a mirror position, and a display device, and wherein the vehicle control settings include at least one of a position, a sensitivity, an angle, and a movement, associated with the one or more vehicle features. As described in Claim 8, Rows 8B-8F, the '296 Accused Instrumentalities will send an adjustment output to the vehicle control system to adjust vehicle control	The '296 Accused Instrumentalities include the non-transitory computer readable medium of claim 8, as described above. The at least one vehicle control includes one or more vehicle features such as a seat system, a steering control, a foot pedal control, a mirror position, and a display device, and wherein the vehicle control settings include at least one of a position, a sensitivity, an angle, and a movement, associated with the one or more vehicle features. As described in Claim 8, Rows 8B-8F, the '296 Accused Instrumentalities will send an adjustment output to the vehicle control system to adjust vehicle control

³⁴ See, e.g., <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://www.ford.com/support/how-tos/sync/sync-4a/how-do-i-personalize-my-sync-4a-settings/>; [https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&UId=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web](https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&UId=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;); <https://www.omnicraftautoparts.com/content/dam/omnicraftassets/PDF/Ford-Bluetooth-Entry-Systems-v620200706.pdf>.

EXHIBIT H2 - U.S. PATENT 9,147,296

Infringement Claim Chart

U.S. Patent 9,147,296		Ford Infringing Activities
	movement, associated with the one or more vehicle features.	settings based on the saved user profile settings of the detected user. ³⁵ For example, the vehicle control system will send an adjustment output to the in-dash display, seat position, and/or mirror position to match the settings saved in the user profile of the detected user, such as by causing signals to be sent to motors and actuators in the vehicle to adjust the mirror positions, steering wheel position, or driver seat position or to change settings relating to the in-dash display.
Row	Claim 13	
13	The non-transitory computer readable medium of claim 8, wherein the method further comprises: determining that the user made a change to the adjusted at least one vehicle control; and storing the change made to the adjusted at least one vehicle control in the user profile memory.	The '296 Accused Instrumentalities include the non-transitory computer readable medium of claim 8, as described above. The method executed by the instructions stored on the non-transitory computer readable medium further comprises determining that the user made a change to the adjusted at least one vehicle control; and storing the change made to the adjusted at least one vehicle control in the user profile memory. For example, the vehicle control system includes software and/or vehicle sensors that detect and determine whether a vehicle control in the user profile is changed by the user relative to the settings stored in the user profile. Upon determining that a vehicle control setting has been changed, the vehicle then stores the change in the user profile memory so that it is retrieved and automatically applied on subsequent trips.³⁶

³⁵ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://youtu.be/h3457G5mWF0>;

https://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/technology/ford-digital-experience/>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>.

³⁶ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://youtu.be/h3457G5mWF0>;

https://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;

EXHIBIT H2 - U.S. PATENT 9,147,296

Infringement Claim Chart

U.S. Patent 9,147,296		Ford Infringing Activities
Row	Claim 14	
14A	A vehicle control system, comprising: a profile identification module contained in a memory and executed by a processor of the vehicle control system, the profile identification module configured to determine a location inside a vehicle associated with a user,	The '296 Accused Instrumentalities include a vehicle control system that includes a profile identification module that is stored in memory and executed by a processor ³⁷ of the vehicle control system, wherein the profile identification module is configured to determine a location inside a vehicle associated with a user. For example, the profile identification module of the '296 Accused Instrumentalities can detect a user's mobile device using hardware and software, such as Bluetooth nodes located in the vehicle and associated software that determines the mobile device is in an area of the vehicle and whether there is an associated user account. ³⁸ When a paired mobile device with an associated user account is detected by the vehicle, the profile identification module of the '296 Accused Instrumentalities determine that the user associated with the account is located in the driver's seat. As another example, the '296 Accused Instrumentalities may include a Phone As A Key feature that enables the use of a Bluetooth-paired mobile device to lock, unlock, and/or start the vehicle. ³⁹ The mobile device with Phone As A Key is linked to the user's account through the Ford App and

<https://www.ford.com/technology/ford-digital-experience/>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>; <https://www.youtube.com/watch?v=VJKtz9JWzg&t=561s>.

³⁷ Any reference to a "processor" in these contentions includes one or more processors operating individually or in combination to perform the specified claim limitation.

³⁸ See, e.g., <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>; <https://www.youtube.com/watch?v=XzuIuzgjICA>; <https://www.ford.com/support/how-tos/ford-app/phone-as-a-key/what-is-phone-as-a-key-in-the-ford-app/>; See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>;

https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&UId=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;

<https://www.ford.com/technology/ford-digital-experience/>; <https://youtu.be/h3457G5mWF0>;

<https://media.lincoln.com/content/dam/lincolnmedia/lna/us/product/2020/Aviator/Phone-AsAKey-Fact-Sheet.pdf>;

³⁹ See, e.g., <https://www.youtube.com/watch?v=XzuIuzgjICA>; <https://www.youtube.com/watch?v=aSO8q4RZwAl>;

<https://media.lincoln.com/content/dam/lincolnmedia/lna/us/product/2020/Aviator/Phone-AsAKey-Fact-Sheet.pdf>.

EXHIBIT H2 - U.S. PATENT 9,147,296

Infringement Claim Chart

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	recognized by the vehicle via Bluetooth connection, which causes the vehicle to load the profile associated with the Phone As A Key, including any saved driver seat settings. ⁴⁰
14B	The profile identification module of the '296 Accused Instrumentalities determines at least one vehicle control associated with a location inside the vehicle. For example, in loading the profile of the determined user, the profile identification module of the '296 Accused Instrumentalities determines vehicle control settings associated with the driver's seat position. For example, the user profile described in Row 14A can store preferred settings for various vehicle controls associated with the driver seat of the vehicle, such as seat position, steering wheel position, and mirror position, as well as software settings relating to the in-dash display. ⁴¹
14C	The profile identification module of the '296 Accused Instrumentalities refers to a user profile memory associated with the user for vehicle control settings. For example, the '296 Accused Instrumentalities store the user profile and associated settings onboard the vehicle in memory and/or in the cloud and the profile identification module refers to this memory to update the vehicle control settings. ⁴² When the user is recognized and determined by the '296 Accused Instrumentalities to be in

⁴⁰ See, e.g., <https://www.youtube.com/watch?v=XzuIuzgjlCA>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>; <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/Content?variantid=6999&languageCode=EN&countryCode=USA> &Uid=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/technology/ford-digital-experience/>.

⁴¹ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA &Uid=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/technology/ford-digital-experience/>; <https://youtu.be/h3457G5mWF0>.

⁴² See, e.g., <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://www.ford.com/support/how-tos/sync/sync-4a/how-do-i-personalize-my-sync-4a-settings/>;

EXHIBIT H2 - U.S. PATENT 9,147,296 Infringement Claim Chart

U.S. Patent 9,147,296	Ford Infringing Activities
	the driver seat, the '296 Accused Instrumentalities are programmed to refer to the profile for that user and determine whether any vehicle control settings are saved in the profile. ⁴³
14D determine, based at least partially on the vehicle control settings, to adjust the at least one vehicle control associated with the location inside the vehicle,	The profile identification module of the '296 Accused Instrumentalities determines, based at least partially on the vehicle control settings, to adjust the at least one vehicle control associated with the location inside the vehicle. For example, the profile identification module of the '296 Accused Instrumentalities identifies the current vehicle control settings and determine any settings associated with the driver seat position that need to be adjusted to match the saved user profile settings. The profile identification module determines how the identified vehicle control settings must be adjusted to match the vehicle control settings associated with the determined location inside the vehicle saved in the user profile, such as by comparing the state of vehicle controls for the driver seat at vehicle start, such as seat positions and/or mirror positions, with the saved settings in the user profile and determining whether any adjustments are necessary for the vehicle controls to match the saved settings. ⁴⁴
14E provide an adjustment output to the vehicle control system, wherein the vehicle control system is adapted to control the at least one vehicle control associated with	The profile identification module of the '296 Accused Instrumentalities provides an adjustment output to a vehicle control system, wherein the vehicle control system is adapted to control the at least one vehicle control associated with the location inside the vehicle, wherein the at least one vehicle control is adjusted via the adjustment output to match the vehicle control settings in the user profile memory. For example, upon determining a driver seat setting that needs to be adjusted to match the saved user

<https://www.youtube.com/watch?v=Xzu1uzgjICA>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>;

https://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;

⁴³ See, e.g., *id.*

⁴⁴ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>;

https://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;

<https://www.ford.com/technology/ford-digital-experience/>; <https://youtu.be/h3457G5mWF0>.

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Infringement Claim Chart

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	the location inside the vehicle, wherein the at least one vehicle control is adjusted via the adjustment output to match the vehicle control settings in the user profile memory.	profile settings, the profile identification module of the '296 Accused Instrumentalities determines any settings for vehicle controls that differ from settings saved in the user's profile, then execute instructions that cause the vehicle control system to adjust the vehicle controls to match the settings in the profile, such as by causing signals to be sent to motors and actuators in the vehicle to adjust the mirror, steering wheel, or driver seat position, or to change settings related to the in-dash display. ⁴⁵
Row	Claim 15	
15	The vehicle control system of claim 14, wherein prior to providing the adjustment output, the profile identification module is further configured to determine a presence of the user inside the vehicle, wherein the adjustment output is provided based at least partially on determining the user is	The '296 Accused Instrumentalities include the vehicle control system of claim 14, as described above. Prior to providing the adjustment output, the profile identification module is further configured to determine a presence of the user inside the vehicle, wherein the adjustment output is provided based at least partially on determining the user is present in the location of the vehicle. The vehicle determines a presence of the user inside the vehicle by, for example, detecting the user's registered device when the vehicle has been started through Phone As A Key or infotainment system identification.⁴⁶

⁴⁵ See, e.g., <https://www.ford.com/support/how-tos/ford-app/phone-as-a-key/what-is-phone-as-a-key-in-the-ford-app/>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; https://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/technology/ford-digital-experience/>; <https://youtu.be/h3457G5mWF0>.

⁴⁶ See, e.g., <https://youtu.be/h3457G5mWF0>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://www.ford.com/support/how-tos/sync/sync-4a/how-do-i-personalize-my-sync-4a-settings/>; https://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.omnicraftautoparts.com/content/dam/omnicraftassets/PDF/Ford-Bluetooth-Entry-Systems-v620200706.pdf>; <https://www.omnicraftautoparts.com/content/dam/omnicraftassets/PDF/Ford-Bluetooth-Entry-Systems-v620200706.pdf>.

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U.S. Patent 9,147,296		Ford Infringing Activities
	present in the location of the vehicle.	
Row	Claim 17	
17	The vehicle control system of claim 14, wherein the at least one vehicle control includes one or more vehicle features such as a seat system, a steering control, a foot pedal control, a mirror position, and a display device, and wherein the vehicle control wherein the vehicle control settings include at least one of a position, a sensitivity, an angle, and a movement, associated with the one or more vehicle features.	The '296 Accused Instrumentalities include the vehicle control system of claim 14, as described above. The at least one vehicle control includes one or more vehicle features such as a seat system, a steering control, a foot pedal control, a mirror position, and a display device, and wherein the vehicle control settings include at least one of a position, a sensitivity, an angle, and a movement, associated with the one or more vehicle features. As described in Claim 14, Rows 14B-14F, the '296 Accused Instrumentalities will send an adjustment output to the vehicle control system to adjust vehicle control settings based on the saved user profile settings of the detected user.⁴⁷ For example, the vehicle control system will send an adjustment output to the in-dash display, seat position, and/or mirror position to match the settings saved in the user profile of the detected user, such as by causing signals to be sent to motors and actuators in the vehicle to adjust the mirror positions, steering wheel position, or driver seat position or to change settings relating to the in-dash display. For example, the vehicle control system will send an adjustment output with respect to the position and angle of the driver seat, steering wheel, and/or mirrors; and settings associated with the in-dash display such as day or night mode, screen contrast, and more.⁴⁸
Row	Claim 19	

⁴⁷ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>; <https://youtu.be/h3457G5mWF0>;

https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=l&vCode=&vFilteringEnabled=False&buildType=web;

<https://www.ford.com/technology/ford-digital-experience/>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>.

⁴⁸ *Id.*

EXHIBIT H2 - U.S. PATENT 9,147,296

Infringement Claim Chart

U.S. Patent 9,147,296		Ford Infringing Activities
19	The vehicle control system of claim 14, wherein the profile identification module is further configured to determine that the user made a change to the adjusted at least one vehicle control, and store the change made to the adjusted at least one vehicle control in the user profile memory.	The '296 Accused Instrumentalities include the vehicle control system of claim 14, as described above. The profile identification module is further configured to determine that the user made a change to the adjusted at least one vehicle control, and store the change made to the adjusted at least one vehicle control in the user profile memory. The vehicle control system includes software and/or vehicle sensors that are used by the profile identification module to detect and determine whether a vehicle control in the user profile is changed by the user relative to the settings stored in the user profile. Upon determining that a vehicle control setting has been changed, the profile identification module then stores the change in the user profile memory so that it is retrieved and automatically applied on subsequent trips.⁴⁹
Row	Claim 20	
20	The vehicle control system of claim 14, wherein the profile identification module is further configured to determine a presence of the user inside the vehicle based at least partially on detecting a device associated with the user in an area of the vehicle, and wherein the adjustment output is provided based at least partially on	The '296 Accused Instrumentalities include the vehicle control system of claim 14, as described above. The profile identification module is further configured to determine a presence of the user inside the vehicle based at least partially on detecting a device associated with the user in an area of the vehicle, and wherein the adjustment output is provided based at least partially on determining the user is present in the location inside the vehicle. For example, the profile identification module of the '296 Accused Instrumentalities can detect a user's mobile device via Bluetooth, either through the infotainment system or the Phone As A Key system, in an area of the vehicle, such as the vehicle

⁴⁹ See, e.g., <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>;
<https://youtu.be/h3457G5mWF0>;
https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUid=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web;
<https://www.ford.com/technology/ford-digital-experience/>; <https://www.ford.com/support/vehicle/mustang-mach-e/2022/how-to-videos/video-library/fordpass/6314812509112?name=fordpass-using-phone-as-a-key>.

EXHIBIT H2 - U.S. PATENT 9,147,296

Infringement Claim Chart

U.S. Patent 9,147,296	Ford Infringing Activities
determining the user is present in the location inside the vehicle.	interior.⁵⁰ The profile identification module determines whether the detected device is associated with a user profile.⁵¹ For example, the profile identification module determines whether a device with Phone As A Key privileges is connected to the system and the user profile associated with that device. As another example, the profile identification module determines whether a device is connected to the infotainment system and, if a user profile is linked to that device, determines that the user is present inside the vehicle. Upon determining a setting associated with the driver seat position needs to be adjusted to match the saved user profile settings, the profile identification module of the '296 Accused Instrumentalities execute instructions that cause the vehicle control system to adjust the vehicle controls to match the settings in the profile, such as by causing signals to be sent to motors and actuators in the vehicle to adjust the mirror positions, driver seat position, or steering wheel position or to change settings relating to the in-dash display.

⁵⁰ See, e.g., <https://media.lincoln.com/content/dam/lincolnmmedia/lna/us/product/2020/Aviator/Lincoln-Phone-AsAKey-Fact-Sheet.pdf>; <https://www.ford.com/support/how-tos/ford-app/phone-as-a-key/what-is-phone-as-a-key-in-the-ford-app/>; <https://www.ford.com/support/how-tos/sync/getting-started-with-sync/how-do-i-create-a-personal-profile-with-sync/>;

https://www.fordservicecontent.com/Ford_Content/vdirtsnet/OwnerManual/Home/Content?variantid=6999&languageCode=EN&countryCode=USA&Uid=G2045240&ProcUId=G2043541&userMarket=USA&div=1&vCode=&vFilteringEnabled=False&buildType=web; <https://www.ford.com/technology/ford-digital-experience/>; <https://youtu.be/h3457G5mWF0>.

⁵¹ See, e.g., *id.*