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Exhibit 4

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Attachment C for US Patent No. 10,299,100 Against Lyft Accused Products

Based on information presently available,¹ Defendant AGIS Software Development LLC ("AGIS Software") contends that Plaintiff Lyft Inc. ("Lyft" or "Plaintiff") infringes claims 1-31 (the "Asserted Claims") of U.S. Patent No. 10,299,100 (the "'100 Patent") through the Accused Products which are manufactured, sold, offered for sale, and/or used by Lyft.

The Accused Products comprise the Lyft and Lyft Driver applications, servers, and services manufactured, used, or sold by Lyft, Inc. during and after 2016. AGIS Software reserves the right to seek leave of court to amend this list of Accused Products after the filing of an amended complaint or as discovery progresses.

Lyft directly infringes each of the Asserted Claims by making, using, importing, testing, distributing, selling, and/or offering for sale the Accused Products in violation of 35 U.S.C. § 271(a).

Lyft indirectly infringes the Asserted Claims in violation of 35 U.S.C. § 271(b) by inducing third parties, including its users and/or customers, to directly infringe through their operation and use of the Accused Products. Lyft has knowingly and intentionally induced this direct infringement by, *inter alia*, (i) selling, importing, or otherwise providing the Accused Products to third parties with the intent that the Accused Products will be operated and used in a manner that practices the Asserted Claims; and (ii) marketing and advertising the Accused Products. Lyft's marketing and promotional materials for the Accused Products are found, for example, on Lyft's website, and in App stores of operating systems for which the Accused Products are made available. For example, Lyft's website offers customers instructions and/or manuals for the Accused Products that instruct customers to, among other things, use the accused services in the Accused Products. Lyft's website also offers support to customers, including instruction to, among other things, use the Accused Products share location information with a group of users. Lyft knows, or should have known, that its actions will result in infringement of the Asserted Claims, or subjectively believes that there is a high probability that its actions will result in infringement of the Asserted Claims but has taken deliberate actions to avoid learning these facts.

¹ There These infringement contentions are provided on a provisional basis to comply with the deadline for P.L.R. 3-1. However, at this time, there is no operative complaint asserting non-infringement of any patent claim in this action at this time., and these contentions are not responsive to any claim or cause of action. AGIS Software reserves the right to update itsthese contentions upon receipt of any futurean amended complaint. These March 18, 2022 amended contentions do not add or modify any theories of infringement and are provided solely for the purpose of making clear that AGIS Software does not allege infringement of any Lyft iOS-based applications and that AGIS Software does not rely on any Apple products.

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Attachment C for US Patent No. 10,299,100 Against Lyft Accused Products

Lyft also contributorily infringes each of the Asserted Claims in violation of 35 U.S.C. § 271(c) by selling, importing, offering for sale, and otherwise providing the Accused Products, which when used directly infringe the Asserted Claims. The Accused Products constitute a material part of the Asserted Claims.

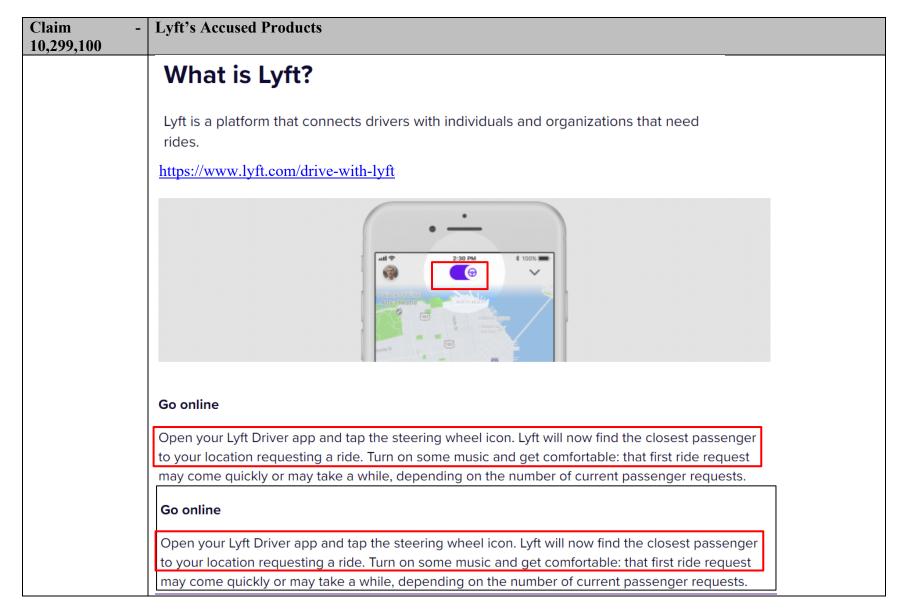
The following chart identifies specifically where each limitation of each Asserted Claim is found within the Accused Products, and in particular, the corresponding elements that meet the limitations in the Lyft and Lyft Driver applications, services, and services. On information and belief, each charted version of the Lyft and Lyft Driver Apps are representative of all versions of the Accused Products, including all variants of the Accused Products made, sold, offered for sale, or used on any version of the Android and iOS operating systems. On information and belief, Lyft also has applications through other distribution platforms.

AGIS Software does not concede that any claims of the '100 Patent that are not listed below are not infringed by the identified Accused Products. Moreover, the citations to certain documents and other information below are intended to be exemplary only and in no way foreclose AGIS from citing or relying on additional documents, information, source code, and/or testimony at a later time. These contentions are preliminary in nature and an analysis of Lyft's products, internal documentation, source code, and/or testimony from relevant witnesses may more fully and accurately describe the infringing features of its accused products. Accordingly, AGIS Software reserves the right to seek leave of court to supplement, correct, modify, and/or amend these contentions once such additional information is made available to AGIS Software. Furthermore, AGIS Software reserves the right to seek leave of court to supplement, correct, modify, and/or amend these contention order(s);² in view of any positions taken by Lyft, including but not limited to positions on claim construction, invalidity, and/or non-infringement; and in connection with the preparation and exchange of expert reports.

The contents of each claim cell below on which another claim cell depends are expressly incorporated by reference in that dependent cell, as if set forth in their entirety therein.

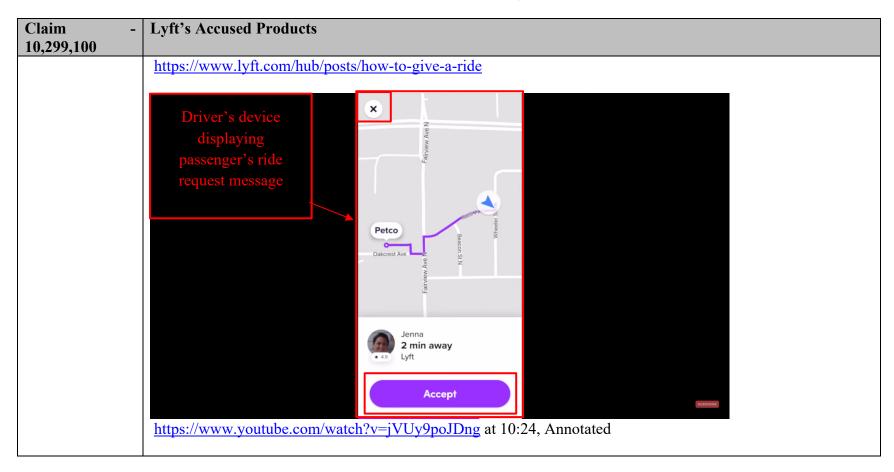
² The construction of claim terms herein is consistent with the constructions in *AGIS Software Dev. LLC v. Huawei Device USA, Inc.*, No. 2:17-cv-00513-JRG, Dkt. 205 (E.D. Tex. Oct. 10, 2018); *AGIS Software Dev. LLC v. Google LLC*, No. 2:19-cv-00361-JRG, Dkt. 147 (E.D. Tex. Dec. 8, 2020); *AGIS Software Dev. LLC v. T-Mobile USA, Inc., et al.*, No. 2:21-cv-00072-JRG, Dkt. 213 (E.D. Tex. Nov. 10, 2021). AGIS Software reserves the right to update its constructions and contentions in view of this Court's claim construction order.

Claim - 10,299,100	Lyft's Accused Products
1[P]. A method performed by a mobile device having a display and one or more processors, the	The Lyft Accused Products perform a computer implemented method as set forth below. Lyft further infringes directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: a method performed by a mobile device having a display and one or more processors.
method comprising:	For example, Lyft provides Lyft Rider app for passengers and Lyft Driver app for drivers. The Lyft apps for riders and drivers, in conjunction with Lyft's servers and services, provide users with interactive methods to request, view, and track locations of passengers/riders using real-time maps and communications. The Lyft server(s) and their services communicate with the Lyft apps for riders and drivers. The Lyft server(s) and their services host information related to and instructions for processing user/device/vehicle accounts, location data, and map data. The claimed methods are distributed by Lyft in the Lyft apps. The claimed methods are used/tested by Lyft using the Lyft apps. The claimed methods are downloaded and installed by Lyft's customers (riders) and personnel (drivers, personnel) at the direction/encouragement of Lyft and used by Lyft's customers and Lyft's personnel.
	We've separated the passenger and driver experiences into two separate mobile apps — one exclusively for passengers (named the Lyft app) and the other exclusively for drivers (named the Lyft Driver app).
	The Lyft Driver app will eventually be standard for all drivers and required for driving. At this time, drivers can keep using the Lyft app to give rides. Don't worry! While we have some planned improvements to the Lyft Driver app, we've kept its features the same.
	https://help.lyft.com/hc/en-ca/articles/115013079208-Lyft-Driver-app



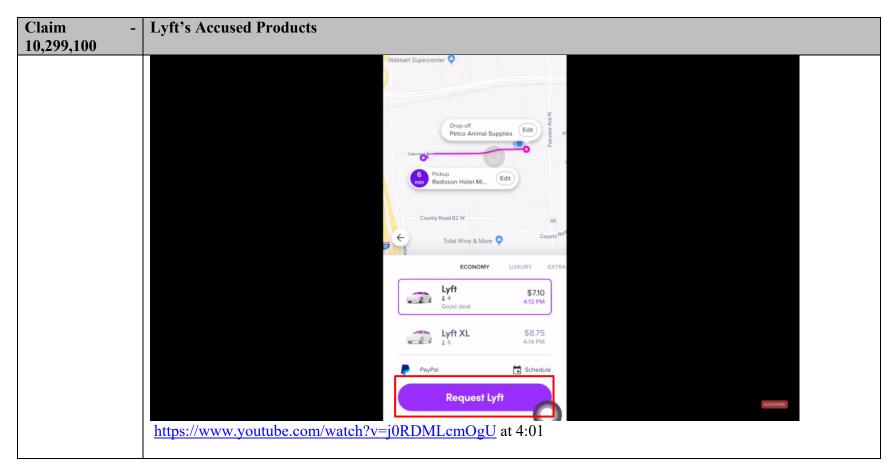
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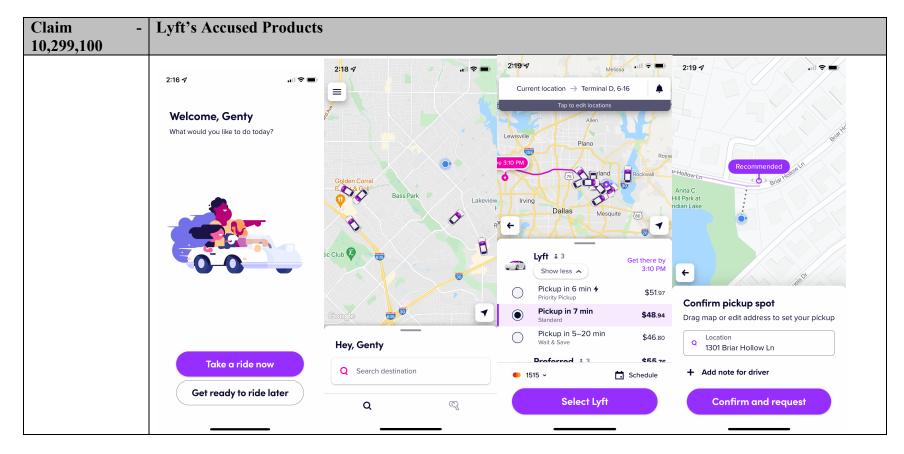
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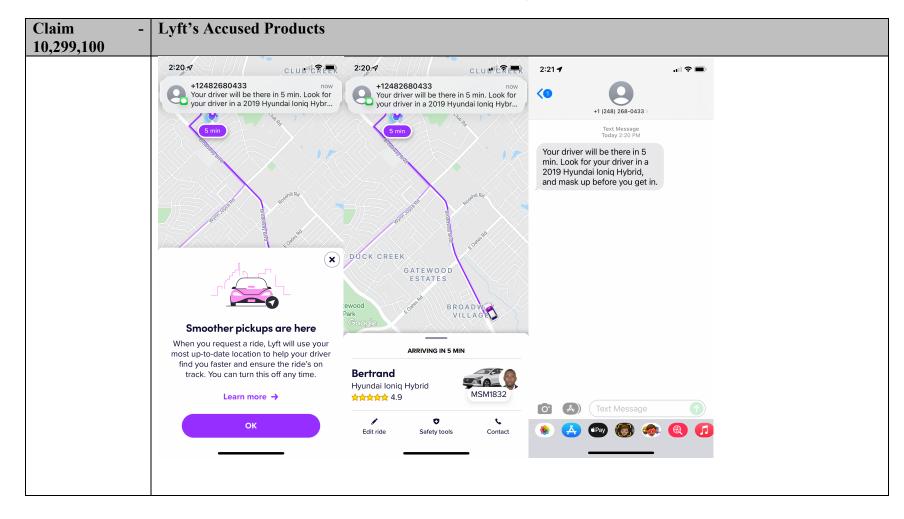


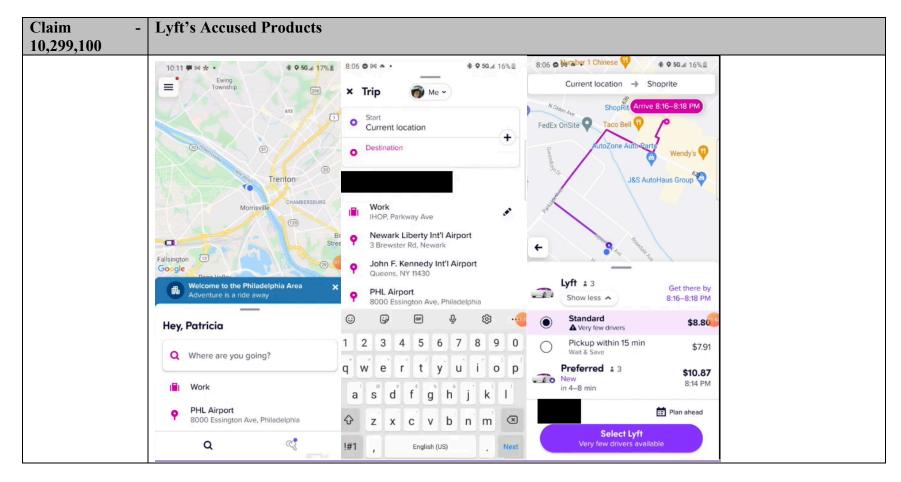
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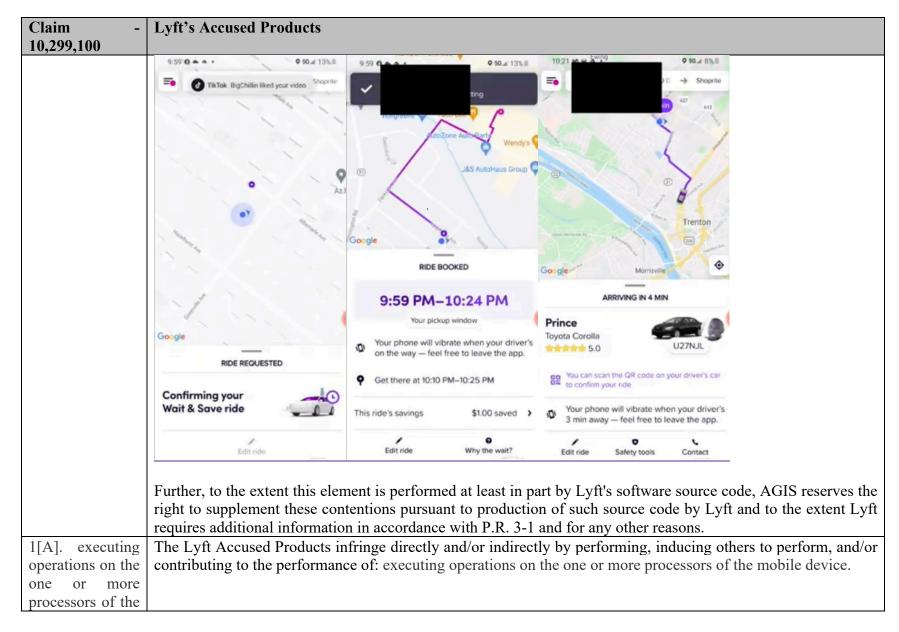
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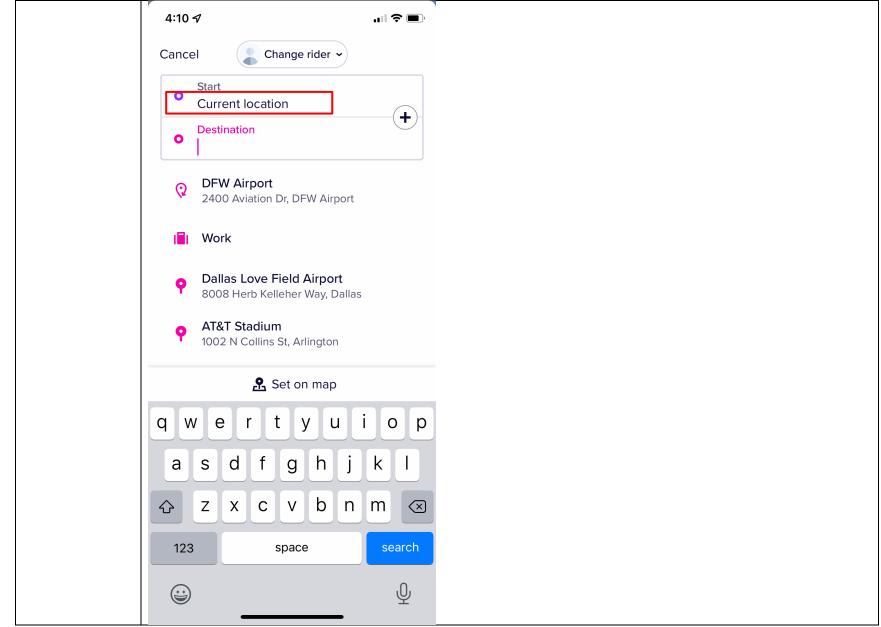








Claim - 10,299,100	Lyft's Accused Products
mobile device, the operations comprising:	Lyft's apps perform the limitations by executing operations on processors (either hardware or software). Lyft's apps perform the operations in conjunction with Lyft's servers, which receive passenger's request for a ride and communicates the request to the nearby drivers. The nearby drivers receive the request for a ride from the passengers which they accept or decline. The servers further facilitate the communication between the passenger and the allocated driver during a ride.
	Cancel Drop-off
	Start Current location
	End Search destination
	Radisson Hotel Minneapolis/St. Paul N 2540 Cleveland Ave N, Roseville
	Target Field Station Minneapolis, MN 55401
	Plant Plant Pl
	Sheraton St. Paul Woodbury Hotel 676 Bielenberg Dr, Woodbury
	Rosedale Center 1595 MN-36, Roseville
	Home
	Work
	https://www.youtube.com/watch?v=j0RDMLcmOgU at 3:27

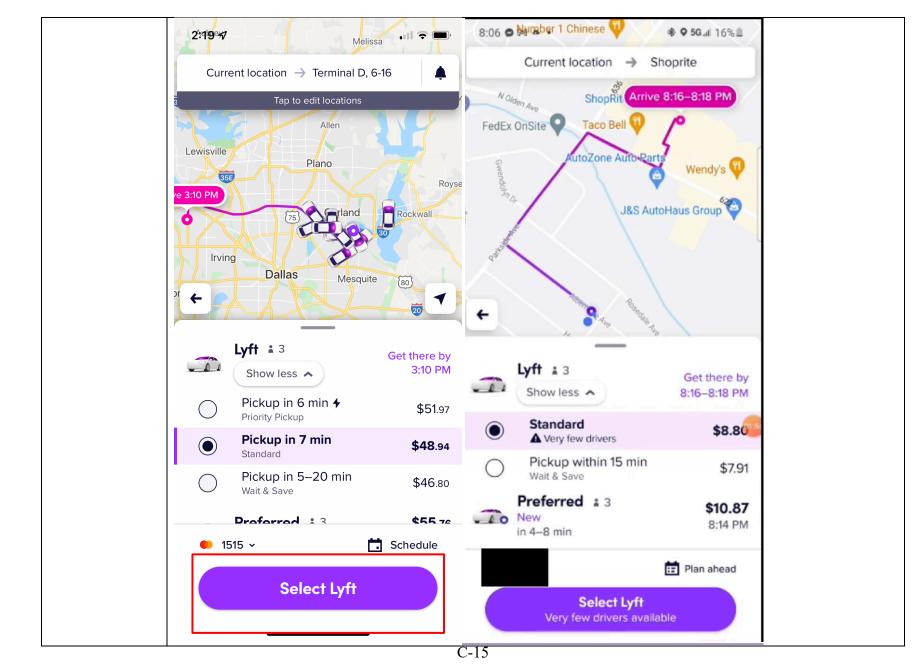


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• Start Current location	+		
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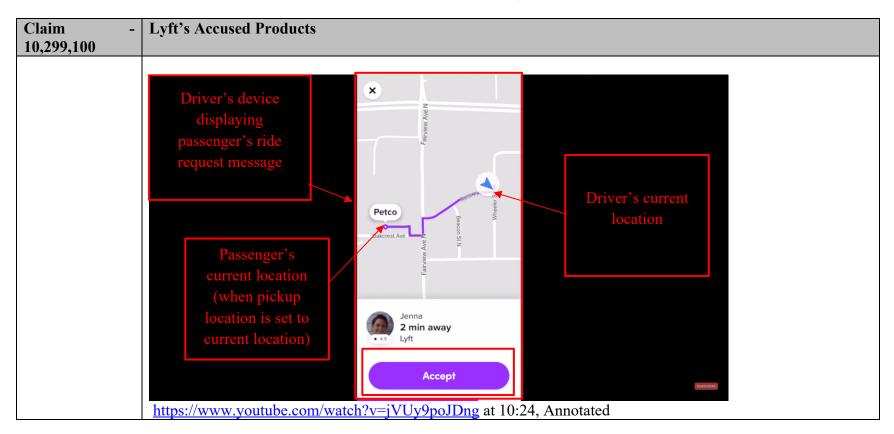
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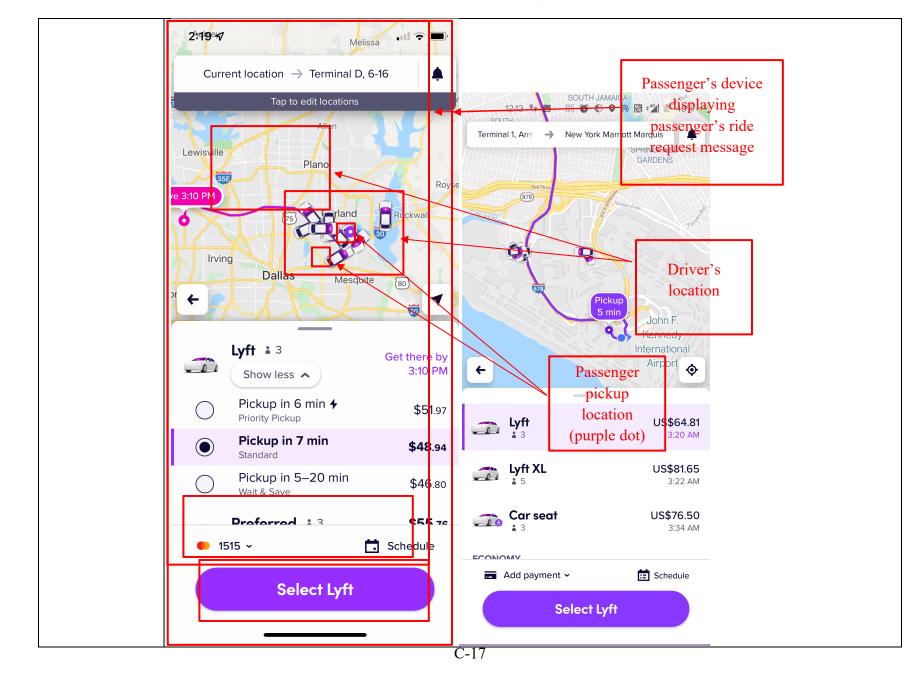
Claim - 10,299,100	Lyft's Accused Products
	Walmart Supercenter County Road B2 VV County Road B2 VV County Road B2 VV ECONOMY LUXURY LUXURY ECONOMY LUXURY EXTRA
	Lyft \$7.10 t 4 Good deal 4:13 PM
	Lyft XL \$8.75 ± 6 \$2.75 4:14 PM PayPal Schedule Request Lyft
	https://www.youtube.com/watch?v=j0RDMLcmOgU at 4:01



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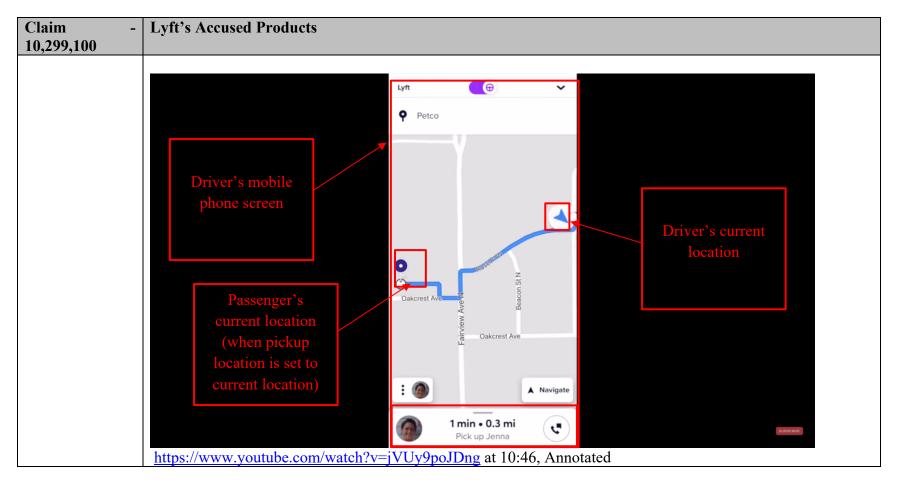
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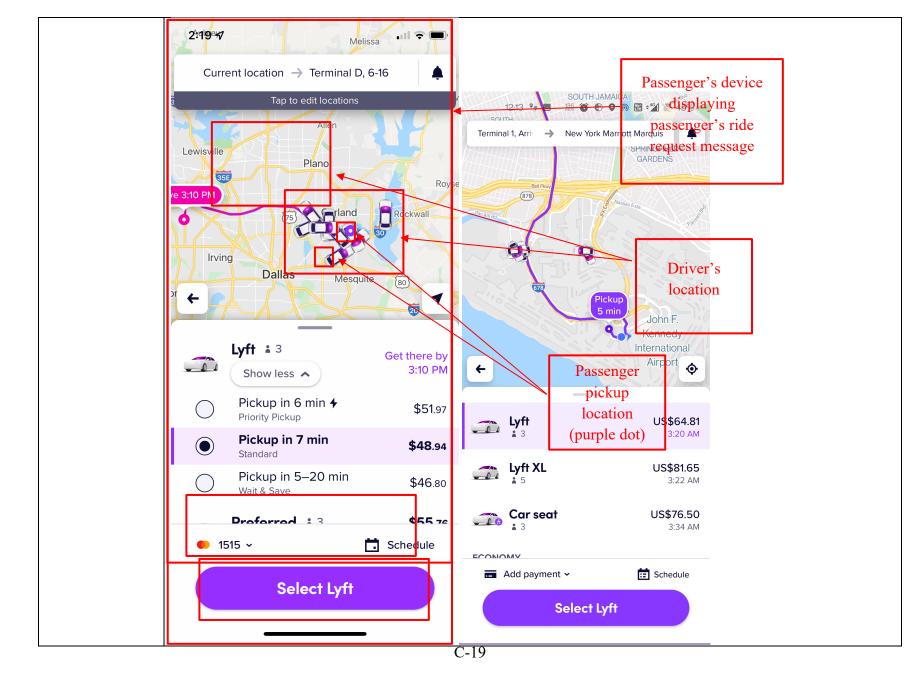




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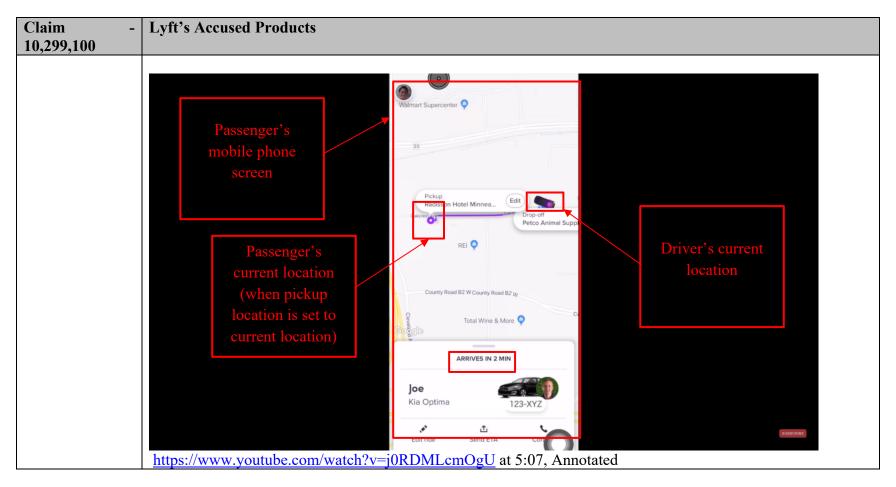
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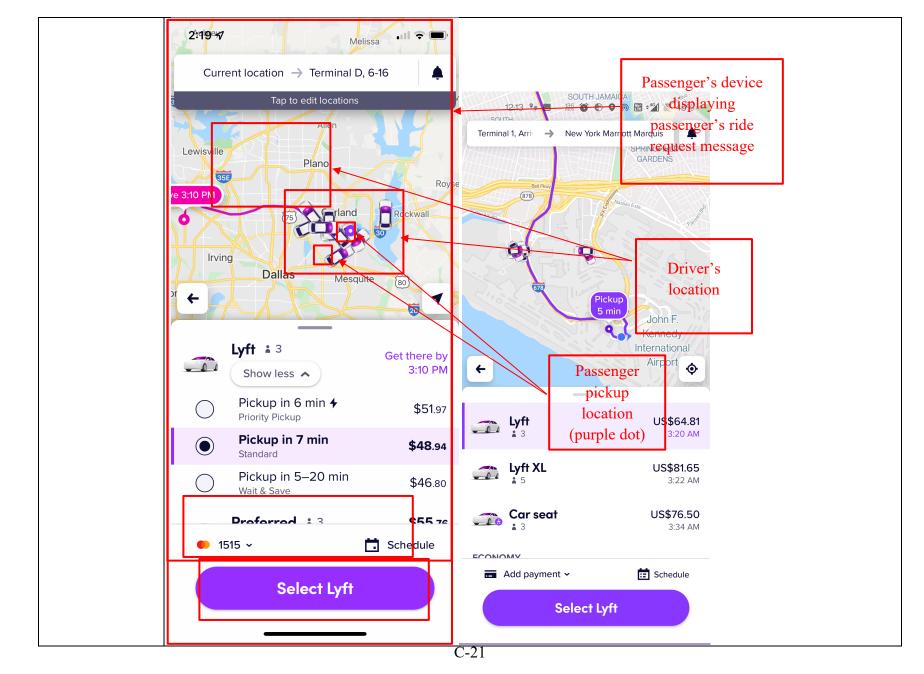


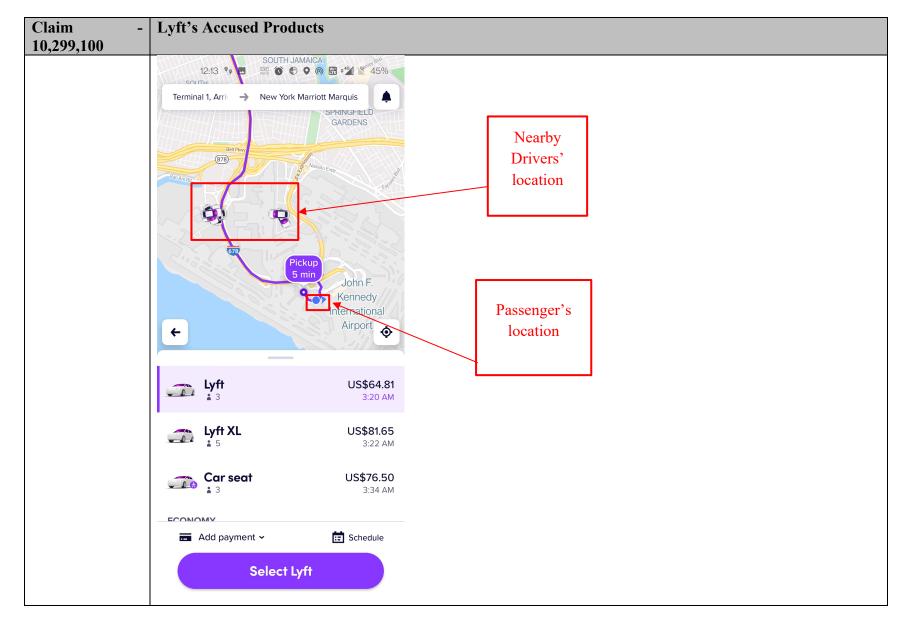


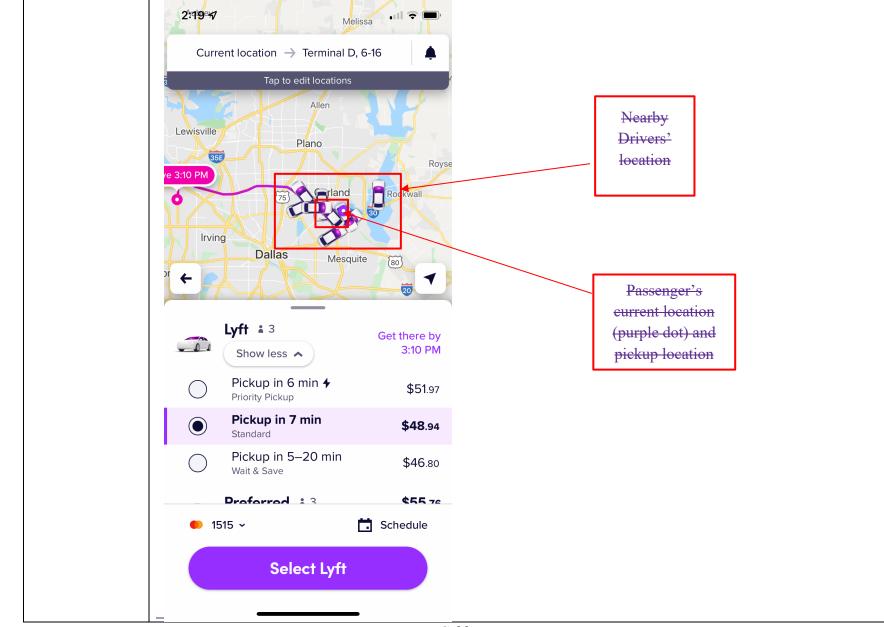
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RESTRICTED CONFIDENTIAL SOURCE CODE









Claim -	Lyft's Accused Products
10,299,100	
1[B]. associating the mobile device with an identifier, wherein the identifier	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: associating the mobile device with an identifier, wherein the identifier corresponds to a network participant.
corresponds to a network participant	The Lyft app, either alone or in conjunction with services provided Lyft's server and/or services, performs this limitation when it receives the account creation data from the Lyft app for riders. The Lyft app also performs this limitation, after account creation, during the sign-in or log-in process from the Lyft app for riders. The Lyft app also performs this limitation when the Lyft server requests status or other data via the Lyft app for riders. In all cases, the identifier is information associated with the identity of the rider, account, device, phone number, or Lyft app for riders. For example, a Lyft passenger sets up their account by providing details including but not limited to name, email address, and phone number. After verifying the details of the passenger, Lyft adds them to the Lyft platform or network of drivers and passengers. Thereafter, the passenger starts booking rides.

Claim - 10,299,100	Lyft's Acc	cused Pro	ducts					
	lyA	DRIVER	Earnings Cities Help		RIDER	BUSINESS	LOG IN	SIGN UP
		DRIVE TOWARI	D WHAT MATTERS					
		Wa	nt to l	be your o	vn	boss	\$?	
		Sta	rt tod	ay.				
		Enter mobile	phone number*					
		Apply to driv	ve lagree to	Lyft's <u>Terms of Service</u>				
	Source: <u>ht</u>	<u>tps://www</u>	<u>.lyft.com/driver</u> .					

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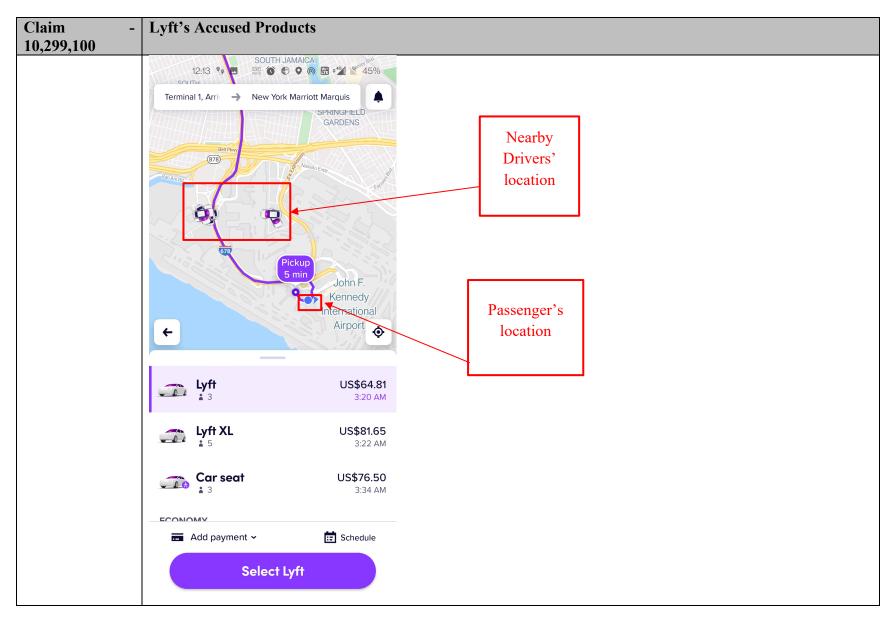
lyA
Welcome back to Lyft!
We'll send a text to verify your phone.
■
Keep me signed in
Next
Have a new number?
Q Find your account
rce: https://account.lyft.com/auth?next=https%3A%2F%2Fwww.lyft.com%2Flogin%2Fjump.

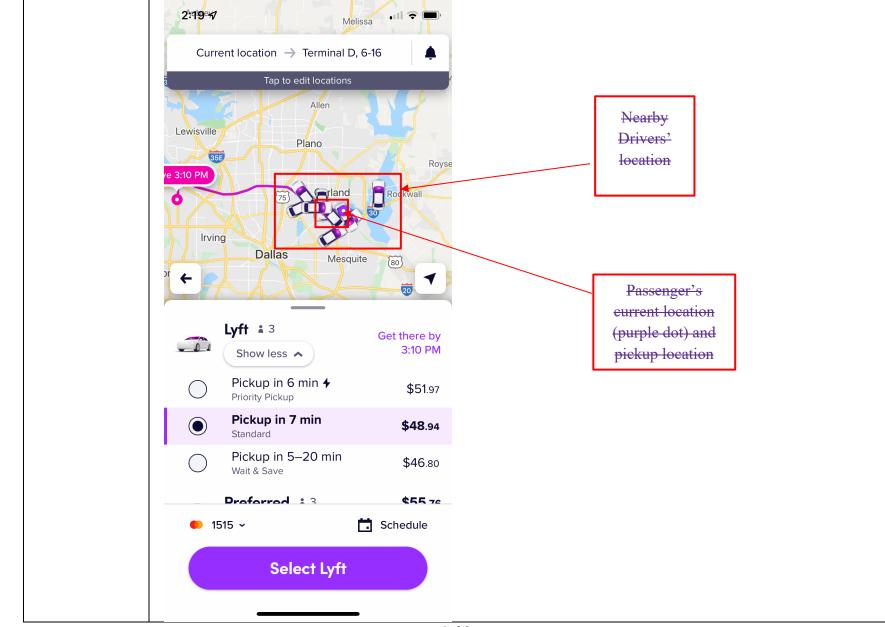
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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	Lyft's Accused Products
	Before you begin , be sure you have the following:
	Your phone number
	Your email address
	A photo of yourself
	Get started
	1. Type in your device's phone number
	To verify your identity, we'll send a verification code via text to your phone number. We want to make sure you're human!
	3. The text message should arrive immediately. If you don't see it after a bit, tap 'Resend code.'
	4. Type in your name, email address, and take a selfie so your driver knows who to pick up
	 That's it! Once you've set up your account, you'll be able to request a ride (Learn How to request a ride).
	https://help.lyft.com/hc/e/articles/115012926947-How-to-create-a-Lyft-account
	Further, to the extent this element is performed at least in part by Lyft's software source code, AGIS reserves the right to supplement these contentions pursuant to production of such source code by Lyft and to the extent Lyft requires additional information in accordance with P.R. 3-1 and for any other reasons.
1[C]. determining a device location corresponding to	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: determining a device location corresponding to a geographical location of the mobile device.

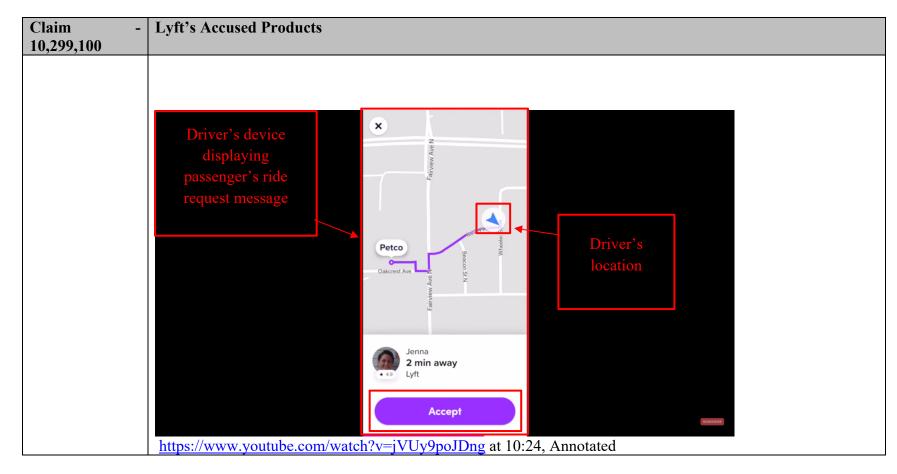
Claim -	Lyft's Accused Products
10,299,100	
a geographical	
location of the	
mobile device	The Lyft app performs this limitation by determining the location of the device associated with the account or identity data described above. For example, the passenger's Lyft app installed determines the passenger's location and displays it on the map in the Lyft app. Similarly, the driver's mobile phone with the Lyft Driver app installed determines the driver's location and displays it on the map in the Lyft app. Similarly, the map in the Lyft Driver app. The rider's location comprises geographical coordinates or geotagged/geocoded/georeferenced information related to a rider's geographical location.

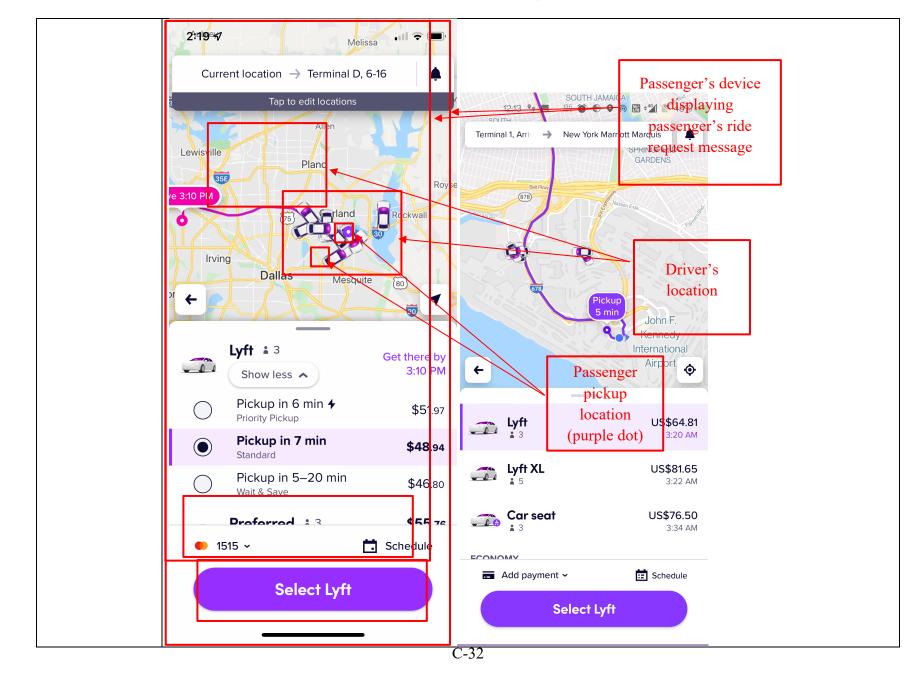




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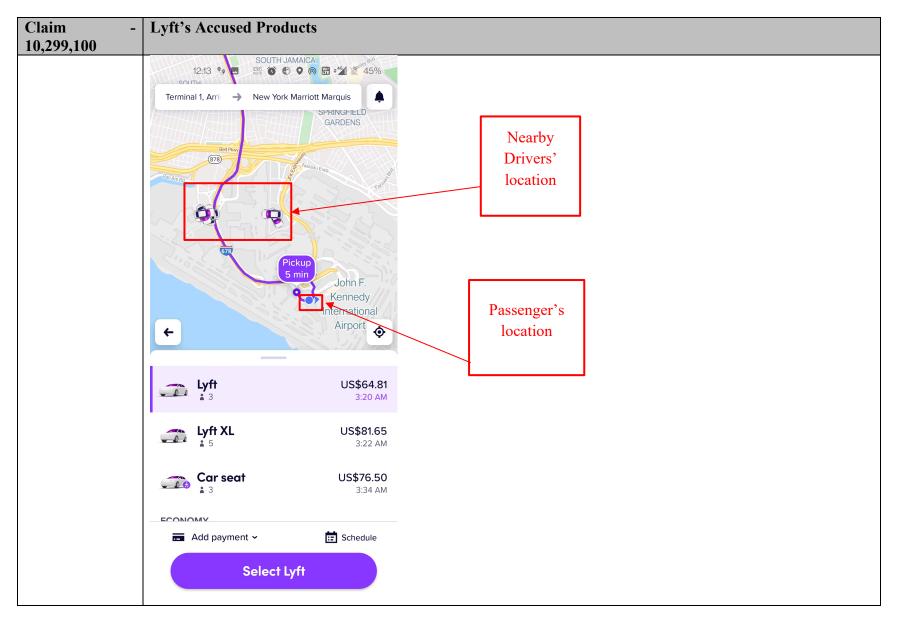
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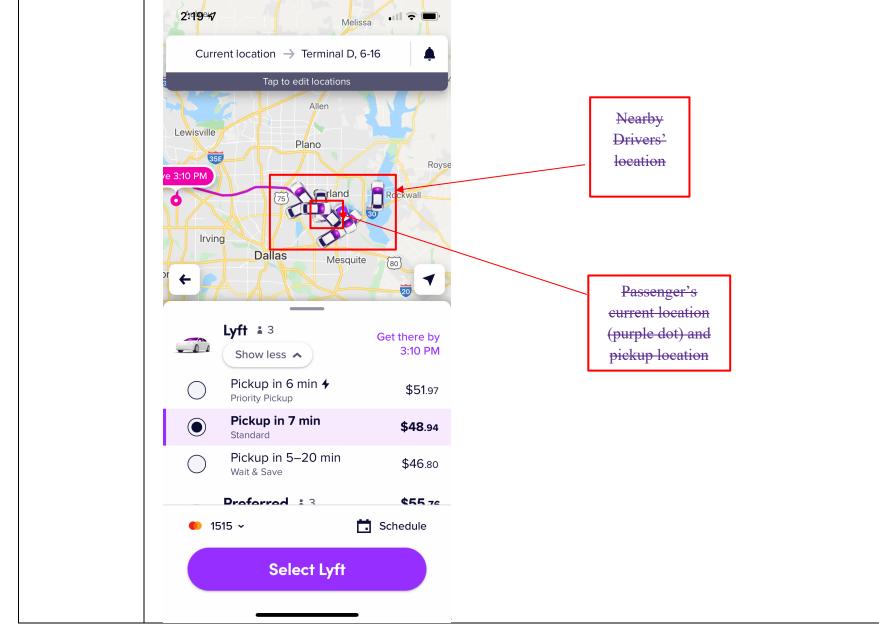




Claim - 10,299,100	Lyft's Accused Products
	Provided certain conditions are met, users of the Rider and Driver Apps can share their location with other users of Driver and Rider Apps as well as additional contacts, friends, and family. Lyft encourages and instructs users of the Rider and Driver Apps to configure their phones to share their locations. The Driver and Rider Apps are pre-configured to show the locations of riders and drivers and to update the locations continuously. For example, the Rider App provides rider locations to Lyft Servers in the forms of pickup locations and current locations and Lyft Servers transmit these locations to Driver Apps with ride requests and trip details. The Rider App can update the pickup locations and current locations and these location updates are similarly transmitted to Lyft Servers and Driver Apps. In another example, the Driver App provides updates to the Lyft Servers immediately during sign up or log in to the Driver App and continuously provides updates to the Lyft Servers before, during, and after rides. The Rider App can show the location of drivers before requesting a ride, after being matched with a particular driver, during the approach of the driver, and during the ride until the completion of the ride. In other circumstances, Rider and Driver Apps are configured by Lyft to permit users to share their locations permit others to track the locations of riders and drivers during rides provided by Lyft. Location shared locations permit others to track the locations of riders and share trip progress and to track locations and computed routes. These features are built in to the Rider and Driver Apps are source doe, AGIS reserves the right to supplement these contentions pursuant to production of such source code by Lyft and to the extent Lyft requires additional information in accordance with P.R. 3-1 and for any other reasons.
1[D]. receiving, from a server, mapping data including a map	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: receiving, from a server, mapping data including a map and coordinate translation data correlating coordinates of positions on the map with corresponding coordinates of geographical locations.

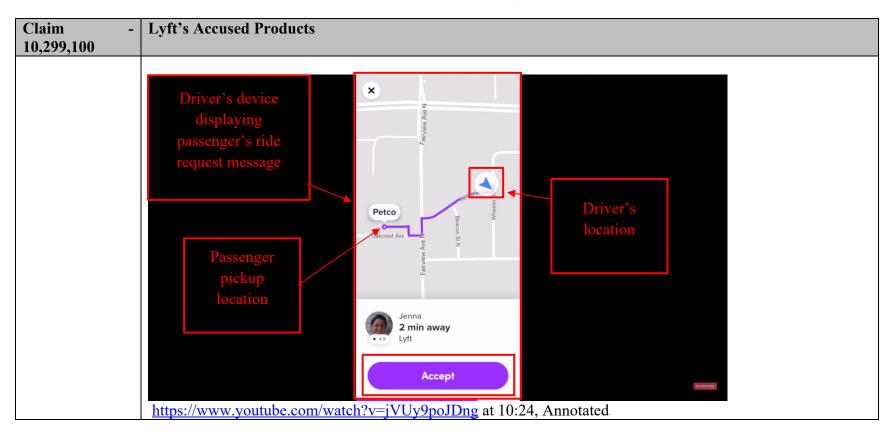
Claim -	Lyft's Accused Products
10,299,100	
and coordinate	
translation data	
correlating	
coordinates of	The Lyft app performs this limitation because it receives maps and/or map tiles from a server for displaying a map
positions on the	in the Lyft app display. The Lyft app also receives data for correlating map coordinates to geographical locations.
map with	For example, the Lyft server transmits the calculated location coordinates of the passenger and nearby drivers to
corresponding	the passenger's device and loads them on the map. Further, the location coordinates of the driver and the passenger
coordinates of	
geographical	is accepted and the passenger is picked up by the driver, the destination address of the passenger is also loaded on
locations	the map in the Lyft Driver app on the driver's device.

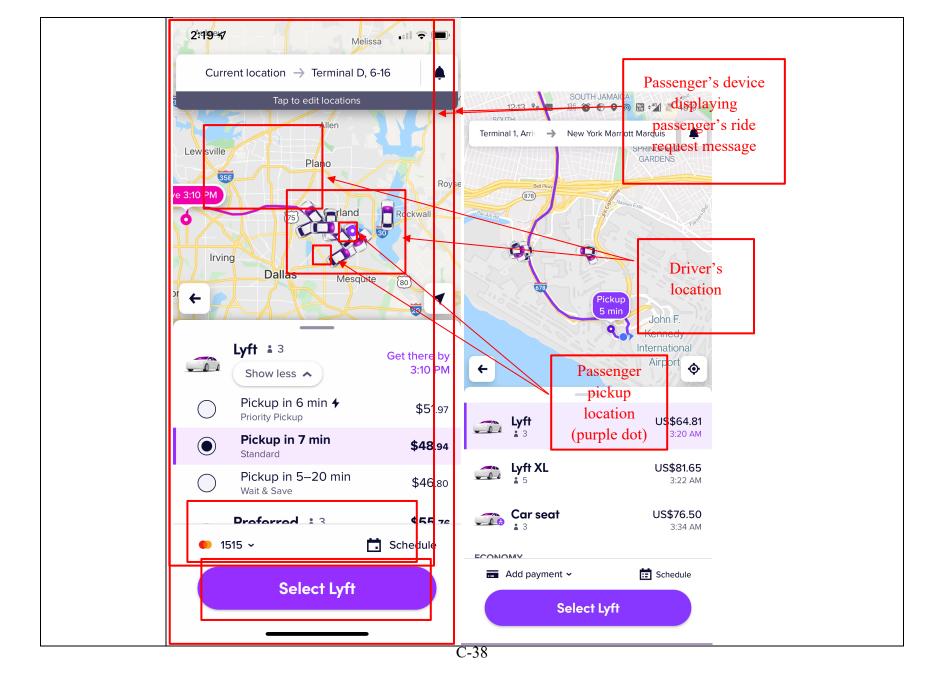




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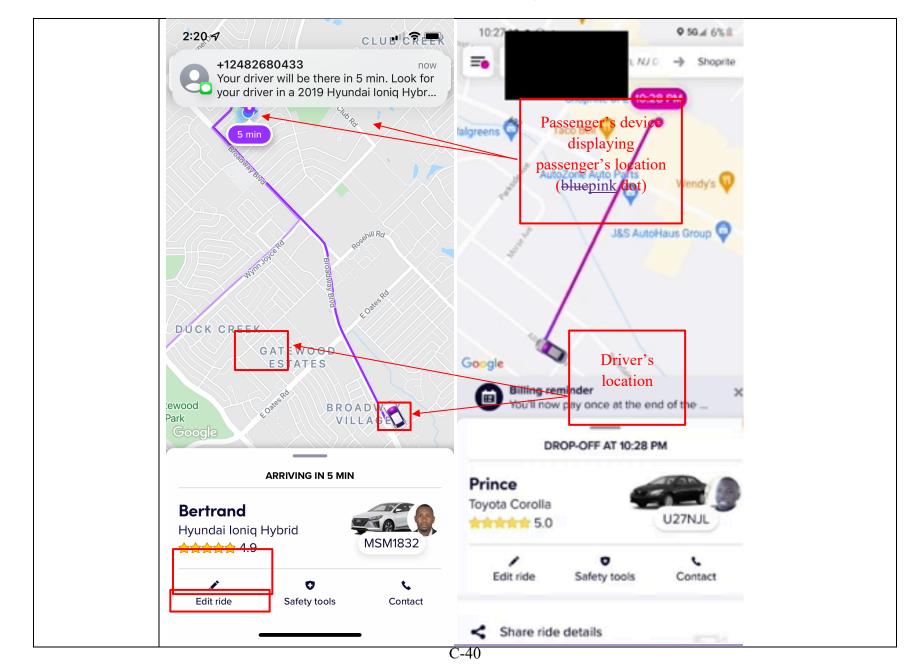


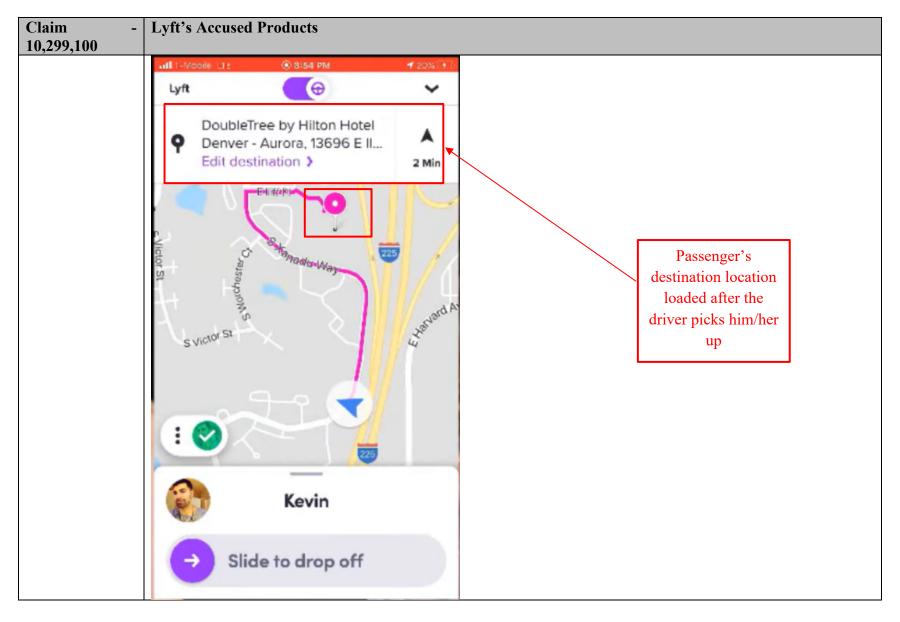


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Claim - 10,299,100	Lyft's Accused Products	
	Walmart Supercenter Urop-off Petco Animal Supplies Petco Animal	
	Lyft \$7.10 ¹ / ₄ \$7.10 Good deal 412 PM Lyft XL \$8.75 10 Cation (blue dot)	
	PayPal Schedule Request Lyft Request Lyft https://www.youtube.com/watch?v=j0RDMLcmOgU at 3:49	



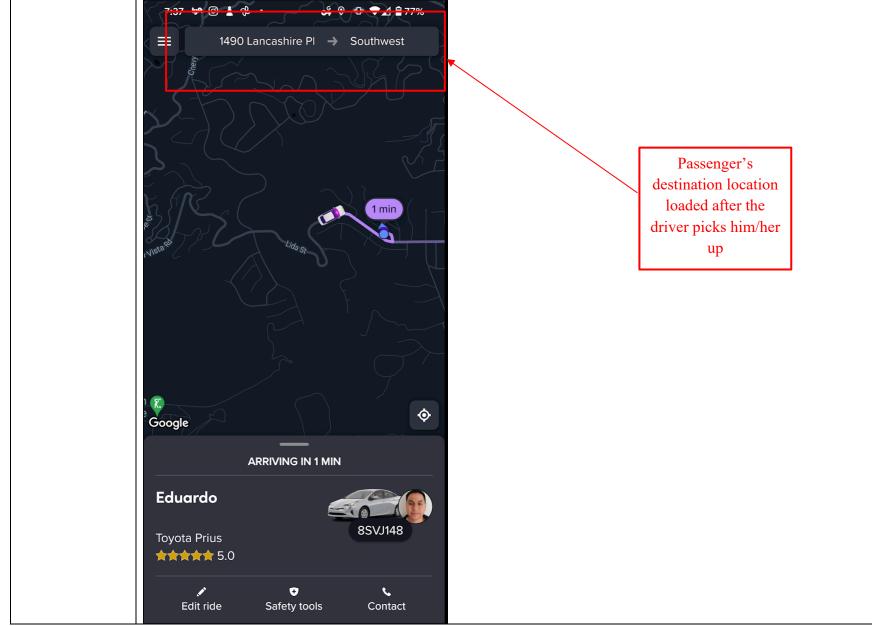


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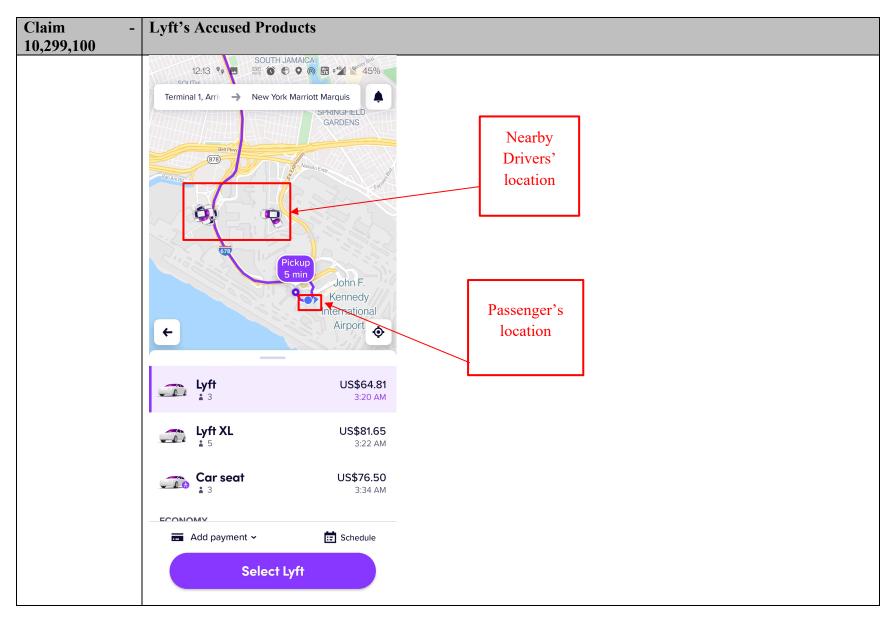
Claim - 10,299,100	Lyft's Accused Products
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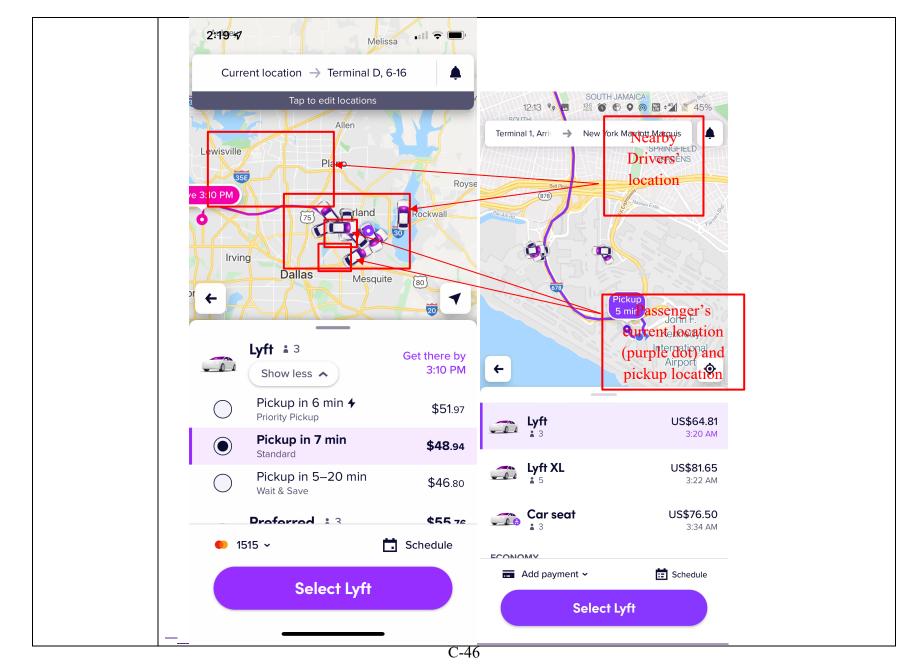
Attachment C for US Patent No. 10,299,100 Against Lyft Accused Products



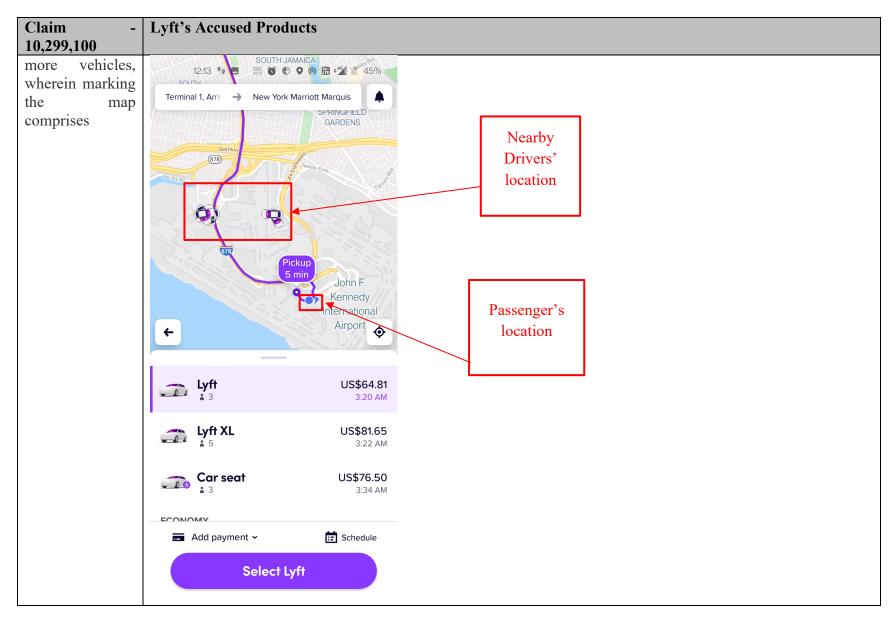
C-43

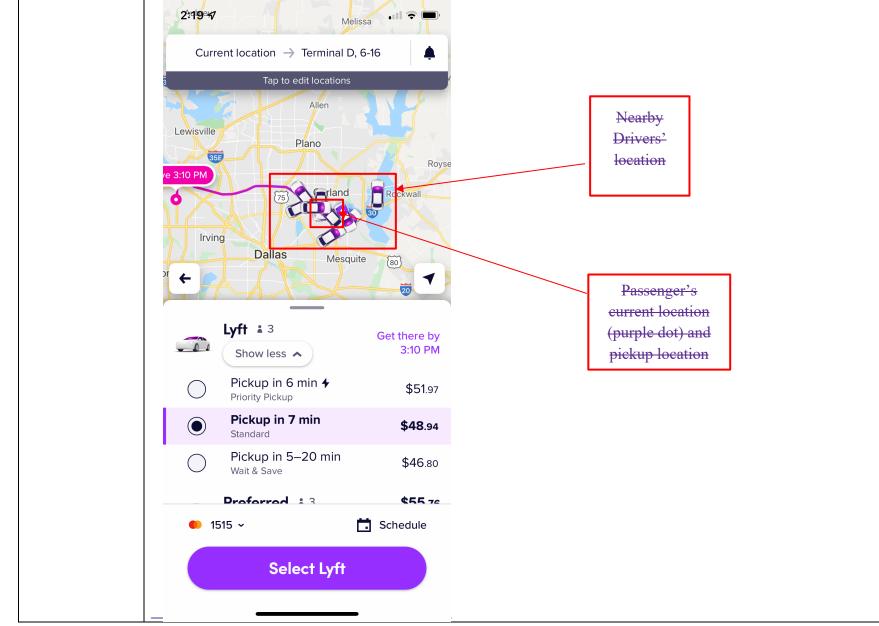
Claim -	Lyft's Accused Products
10,299,100	
	See also 1[C].
	Further, to the extent this element is performed at least in part by Lyft's software source code, AGIS reserves the right to supplement these contentions pursuant to production of such source code by Lyft and to the extent Lyft requires additional information in accordance with P.R. 3-1 and for any other reasons.
1[E]. receiving, from a server, location data indicating vehicle locations of one or more	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: receiving, from a server, location data indicating vehicle locations of one or more vehicles.
vehicles	The Lyft app performs this limitation because it receives vehicle location data from a server and that vehicle location data indicates the locations of drivers/vehicles. For example, the Lyft server transmits the calculated location coordinates of the passenger and nearby drivers ("location data indicating vehicle locations of one or more vehicles") to the passenger's device and loads them on the map in the Lyft app on the passenger's device.



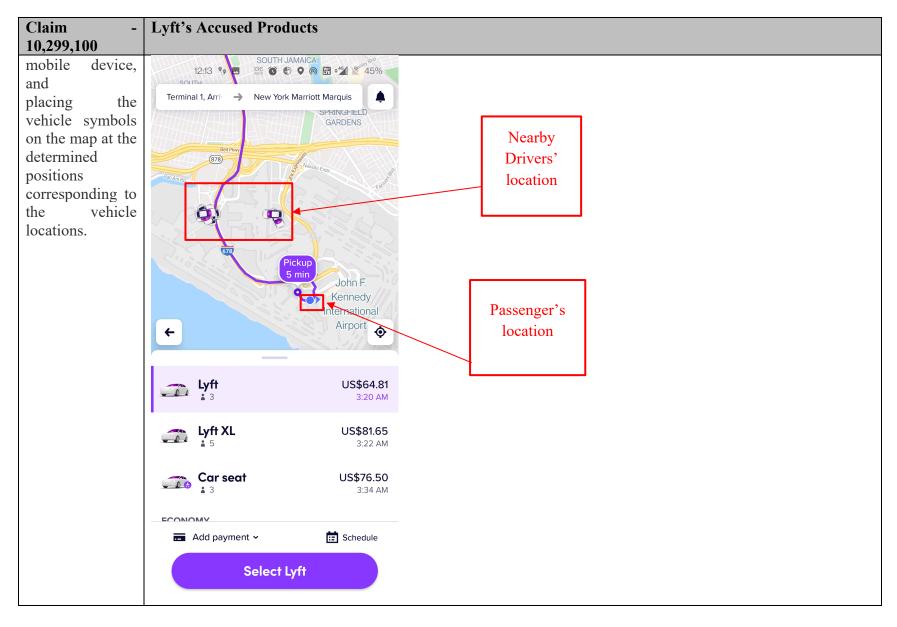


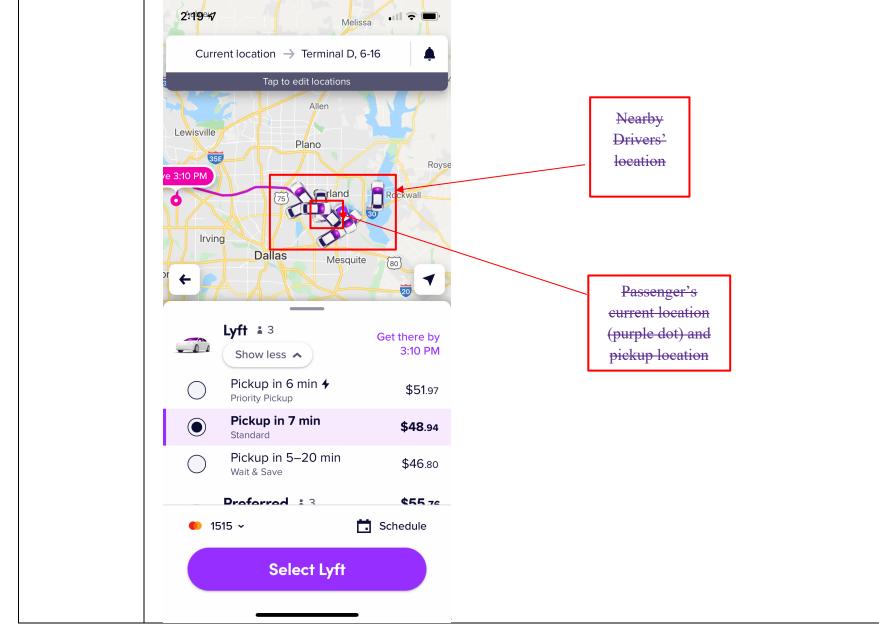
Claim - 10,299,100	Lyft's Accused Products
	See also 1[C].
	Further, to the extent this element is performed at least in part by Lyft's software source code, AGIS reserves the right to supplement these contentions pursuant to production of such source code by Lyft and to the extent Lyft requires additional information in accordance with P.R. 3-1 and for any other reasons.
1[F]. marking the map with a plurality of symbols comprising: a participant symbol	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: marking the map with a plurality of symbols comprising: a participant symbol corresponding to the device location, one or more facility symbols corresponding to respective facility locations of one or more facilities, and one or more vehicle symbols corresponding to the respective vehicle locations of the one or more vehicles.
corresponding to the device location, one or more facility symbols corresponding to respective facility locations of one or more facilities, and one or more vehicle symbols corresponding to the respective vehicle locations of the one or	The Lyft app performs this limitation because the Lyft app displays multiple symbols on its map, including a symbol for vehicles, facilities, businesses, landmarks, and other points of interest. For example, the map in the Lyft app on the passenger's device comprises a blue dot ("participant symbol") depicting the passenger's current location. The map also identifies a pickup location which may correspond to the current location of the rider. Further, the map also highlights locations including but not limited to airports, road names, parks, shops and railway stations ("facility symbol"). The location of the nearby drivers is highlighted on the map in the passenger's device using vehicle icons.





Claim - 10,299,100	Lyft's Accused Products
	See also 1[C].
	Further, to the extent this element is performed at least in part by Lyft's software source code, AGIS reserves the right to supplement these contentions pursuant to production of such source code by Lyft and to the extent Lyft requires additional information in accordance with P.R. 3-1 and for any other reasons.
1[G]. wherein marking the map comprises: determining, based at least in	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: wherein marking the map comprises: determining, based at least in part on the vehicle locations and the coordinate translation data, positions on the map corresponding to the vehicle locations, displaying the map on the display of the mobile device, and placing the vehicle symbols on the map at the determined positions corresponding to the vehicle locations.
part on the vehicle locations and the	
coordinate translation data, positions on the	The Lyft app performs this limitation because it determines where to place symbols on its map and places those symbols based on the data received from the server. For example, the Lyft server determines the location coordinates of the nearby drivers with respect to the passenger and transmits them to the Lyft app on the
map corresponding to the vehicle	passenger's device. The location coordinates of the nearby drivers are loaded on the map and is displayed on the passenger's device. Each vehicle on the map indicates the position of a nearby driver.
locations, displaying the	
map on the display of the	





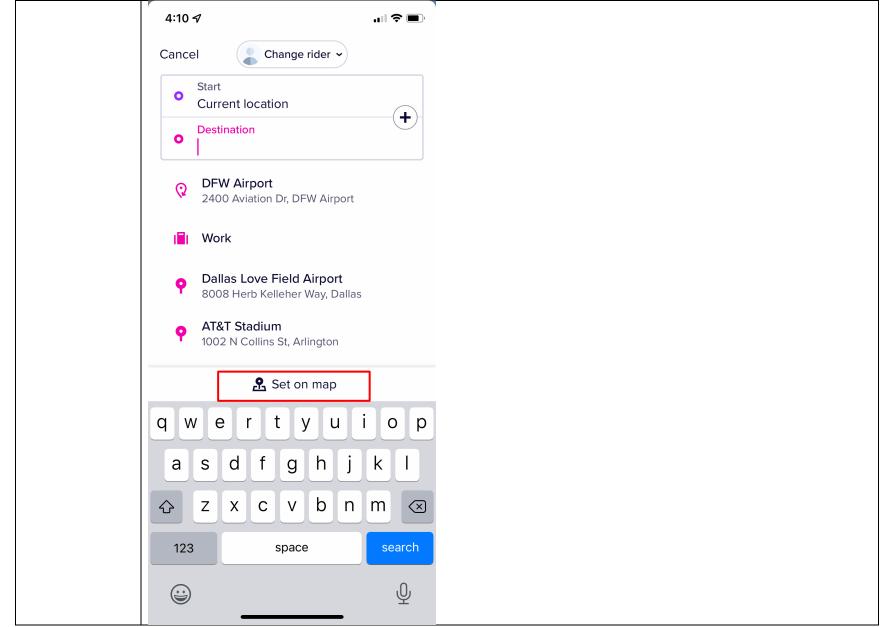
Claim - 10,299,100	Lyft's Accused Products
	See also 1[C] and 1[F].
	Further, to the extent this element is performed at least in part by Lyft's software source code, AGIS reserves the right to supplement these contentions pursuant to production of such source code by Lyft and to the extent Lyft requires additional information in accordance with P.R. 3-1 and for any other reasons.
1[H]. responsive to user selection of a portion of the display corresponding to a position on the map, identifying a selected facility	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: responsive to user selection of a portion of the display corresponding to a position on the map, identifying a selected facility symbol based on the selected position, comprising: initiating a search of a set of symbols including the facility symbols for a symbol located nearest to the selected position and, based on a result of the search, identifying the selected facility symbol as the symbol located nearest to the selected position.
symbol based on the selected position, comprising: initiating a search of a set of symbols including the facility symbols for a symbol located nearest to the selected position and, based on a result	The Lyft app performs this limitation because it receives user input data regarding pickups, stops or destinations entered by a user and those pickups, stops or destinations correspond to geographical locations on a map. For example, the Lyft passenger users the Lyft app for riders to select a pickup location and a destination location. The Lyft passenger can add entities of interest and select one or more entities of interest as a pickup or destination. The Lyft passenger can choose the pickup/stop/destination location by entering an address/location/shortcut or by choosing it on a map which will add/enter a symbol on the map and the passenger can change the location of the added/entered symbol as a pickup/stop/destination. Each of these methods will cause a symbol corresponding to the pickup/stop/destination to be added/entered on the map at the corresponding location. When the passenger completes this process, data associated with the added/entered symbol as a pickup/stop/destination is communicated to the Lyft server(s). Adding/entering the symbol for a pickup/stop/destination can occur before or during a ride. When a user enters an address, place, or shortcut, the Lyft app will search for and place a symbol at the nearest position to the address, place or shortcut.

Claim - Ly	Lyft's Accused Products
10,299,100	
identifying the wh selected facility pa symbol as the an	The Lyft app performs this limitation because it receives user input identifying a destination/stop. For example, when a passenger is booking the ride, Lyft provides a set location on the map providing an option for which the bassenger selects the position on a map. For example, the passenger selects the position for a pickup such as mairport, in response to which Lyft initiates identifying the selected position and searching for all the symbols ocated nearby to the airport and identifying them (including but not limited to Terminal 1, Terminal 2 and Terminal 4).

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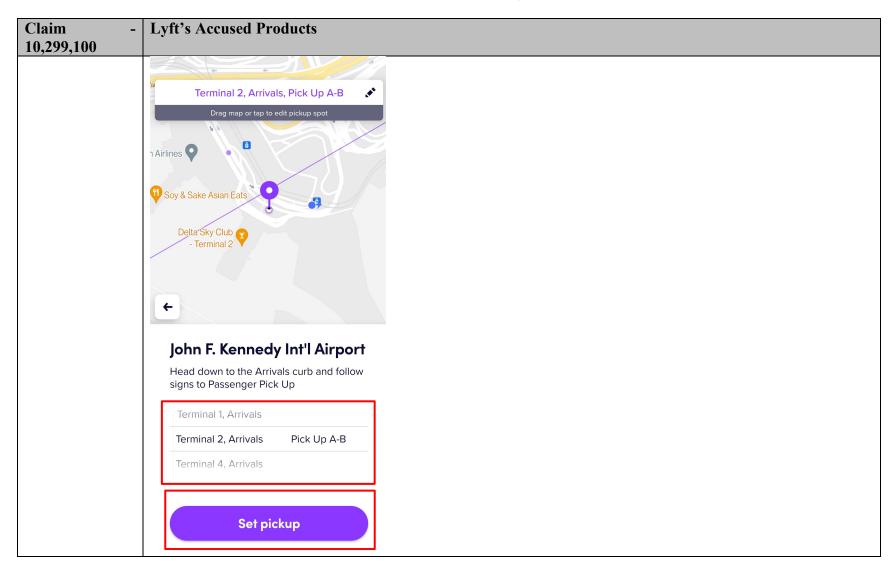
RESTRICTED CONFIDENTIAL SOURCE CODE

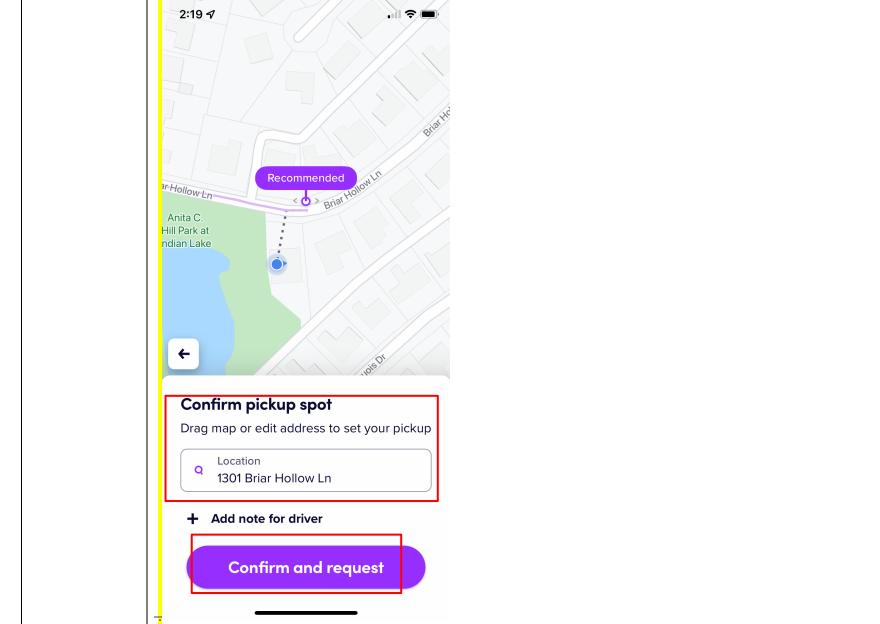
Claim - 10,299,100	Lyft's Accused Products
	Lyft's Accused Products × Trip C Change rider ~ • Start • Destination iii Work • Home • Current location . Set on map
	Q 🕫 🖂 🖏

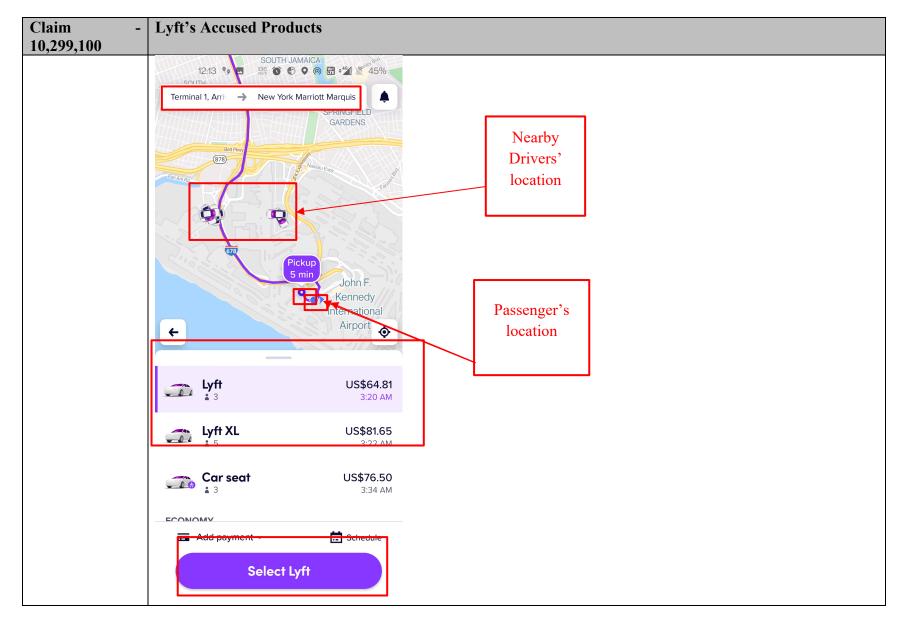


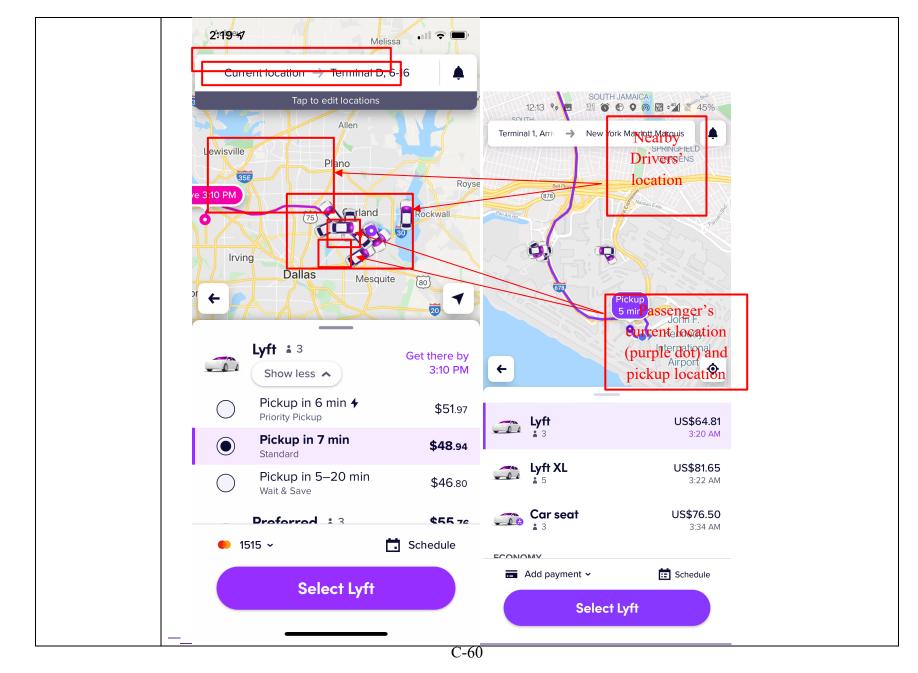
Case 5:21-cv-04653-BLF Document 104-4 Filed 04/18/22 Page 58 of 168

RESTRICTED CONFIDENTIAL SOURCE CODE





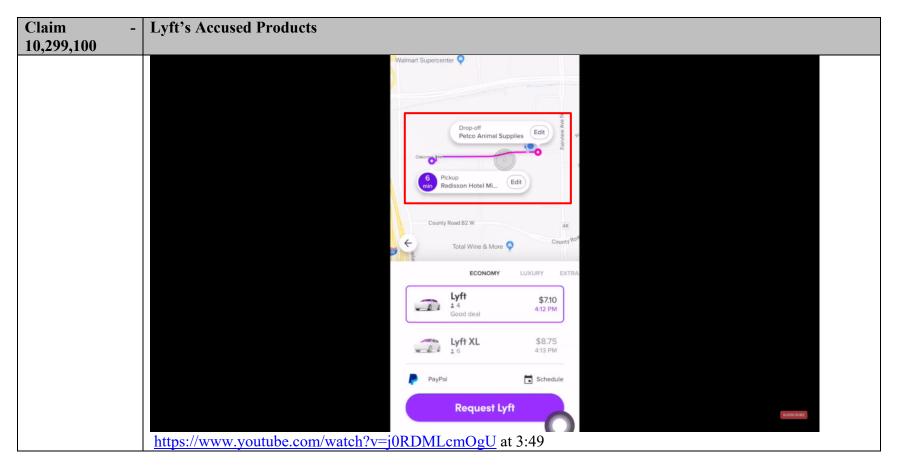


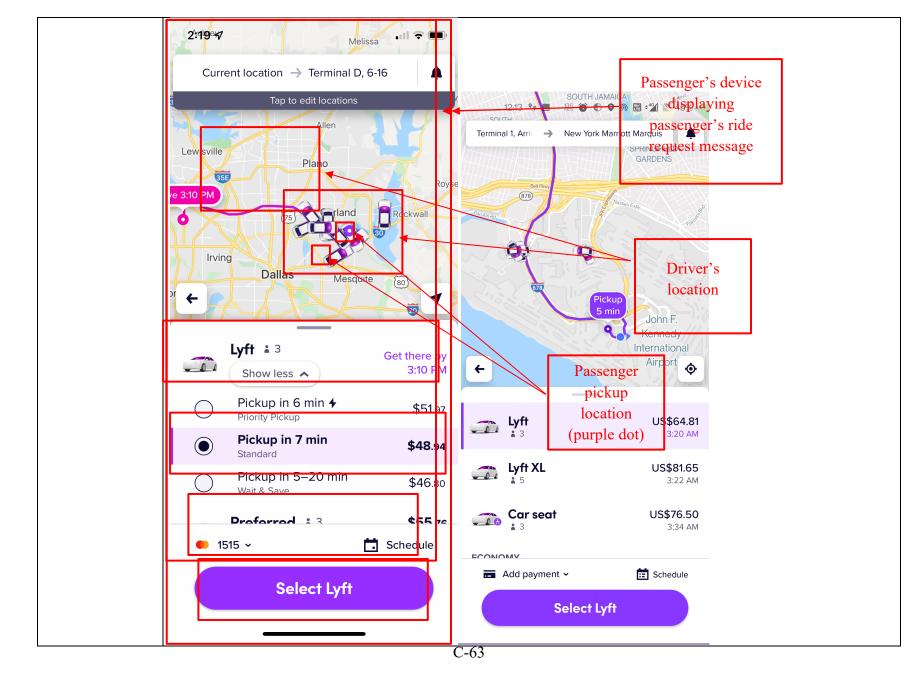


Claim - 10,299,100	Lyft's Accused Products
	Further, to the extent this element is performed at least in part by Lyft's software source code, AGIS reserves the right to supplement these contentions pursuant to production of such source code by Lyft and to the extent Lyft requires additional information in accordance with P.R. 3-1 and for any other reasons.
1[I]. responsive to user input, transmitting first information to a first vehicle of the one or more	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: responsive to user input, transmitting first information to a first vehicle of the one or more vehicles.
vehicles; and	The Lyft app sends information regarding the pickup/stops/destination and/or information about the passenger and this information is communicated to a driver. For example, when a passenger requests a ride by providing a pickup location (current location of passenger or any specific location) and a destination address, the request ride message comprising the pickup location and the passenger's name and photo ("first information") is communicated to nearby drivers to find the ride.

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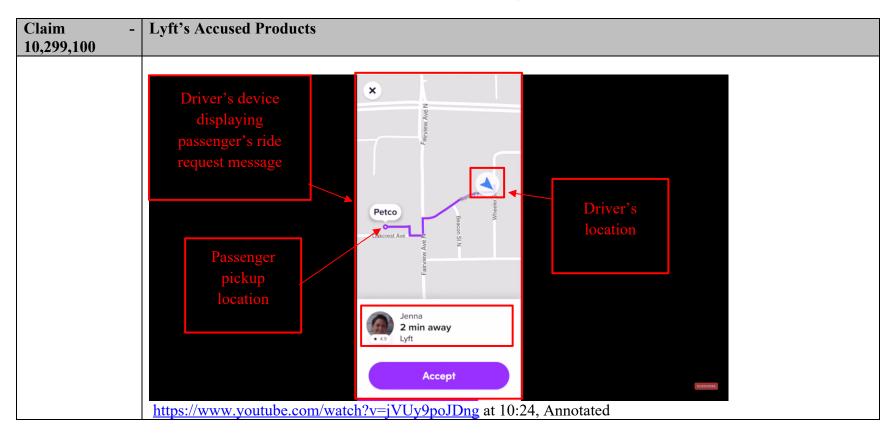
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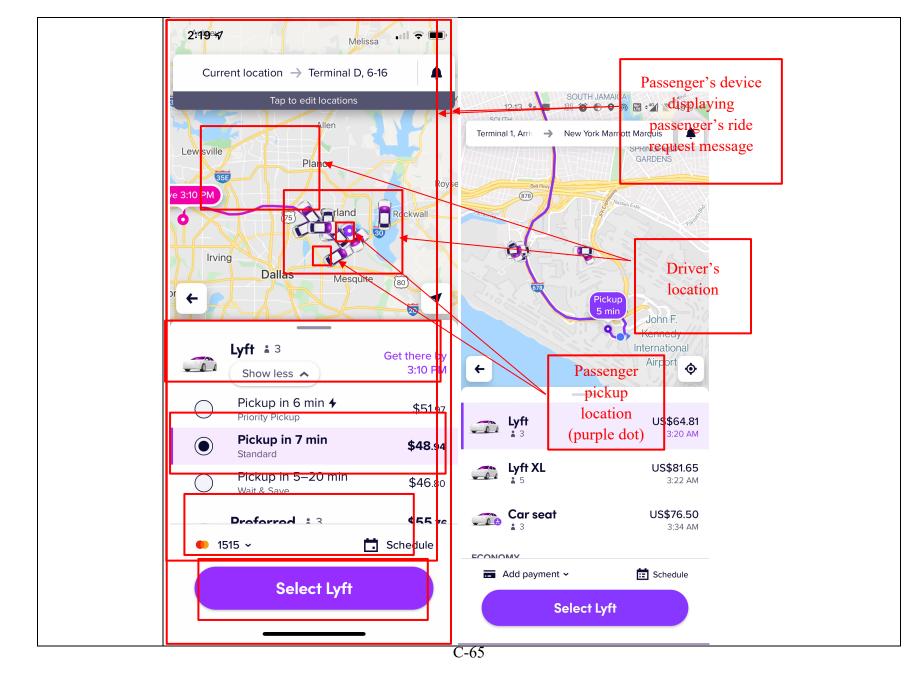




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RESTRICTED CONFIDENTIAL SOURCE CODE

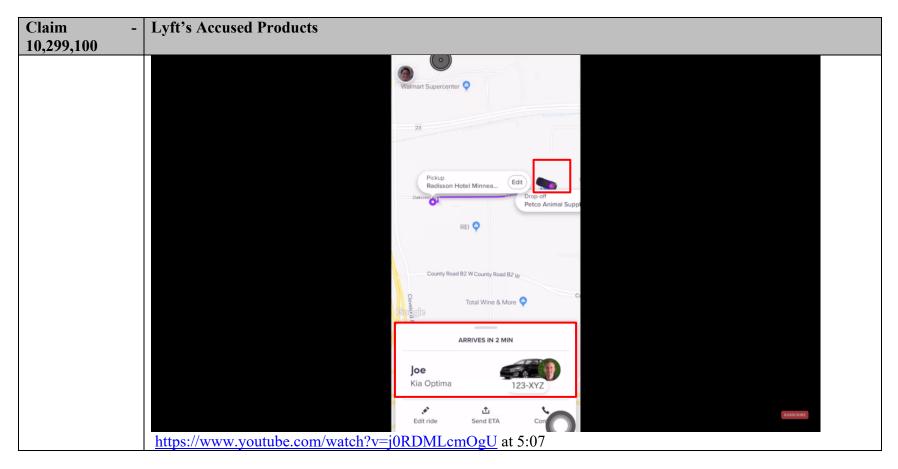


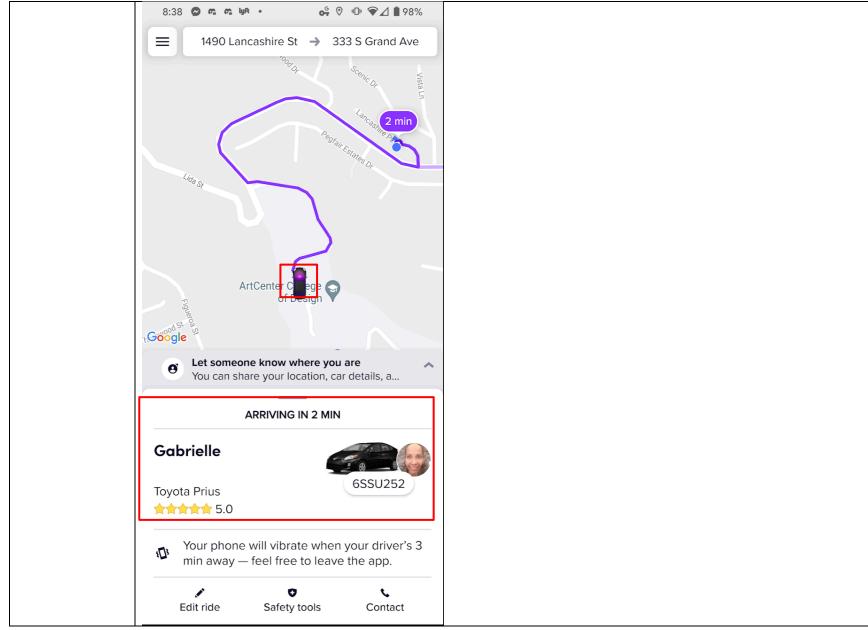


	Lyft's Accused Products
10,299,100	
	Further, to the extent this element is performed at least in part by Lyft's software source code, AGIS reserves the right to supplement these contentions pursuant to production of such source code by Lyft and to the extent Lyft requires additional information in accordance with P.R. 3-1 and for any other reasons.
1[J]. receiving second information corresponding to the first vehicle	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: receiving second information corresponding to the first vehicle and displaying the received second information on the display of the mobile device.
and displaying the received second information on the display of the mobile device	The Lyft app for the rider can receive and display information about the driver/vehicle. For example, when a driver accepts a ride request from a passenger, the passenger via the Lyft app receives the driver's information (such as name, location, vehicle model and vehicle number).

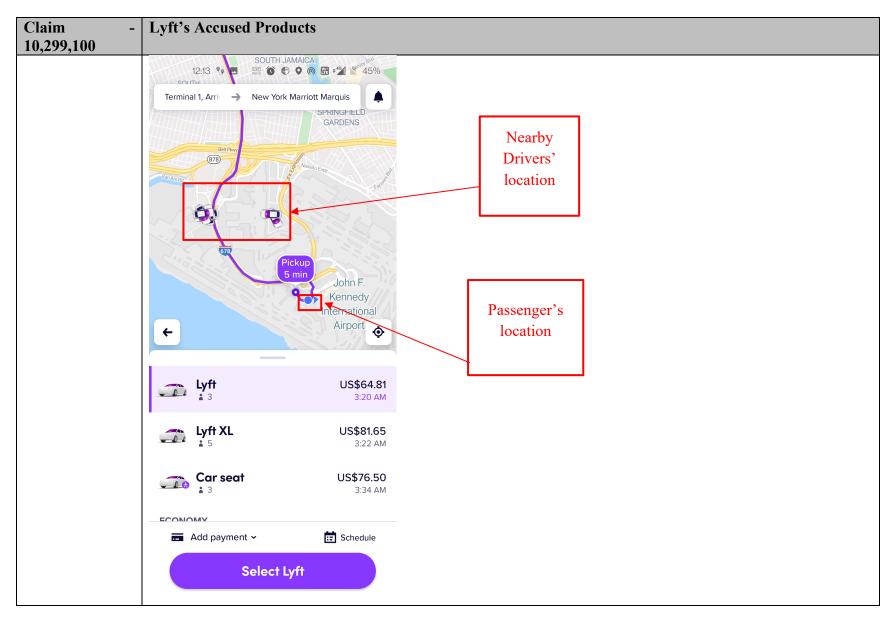
Case 5:21-cv-04653-BLF Document 104-4 Filed 04/18/22 Page 68 of 168

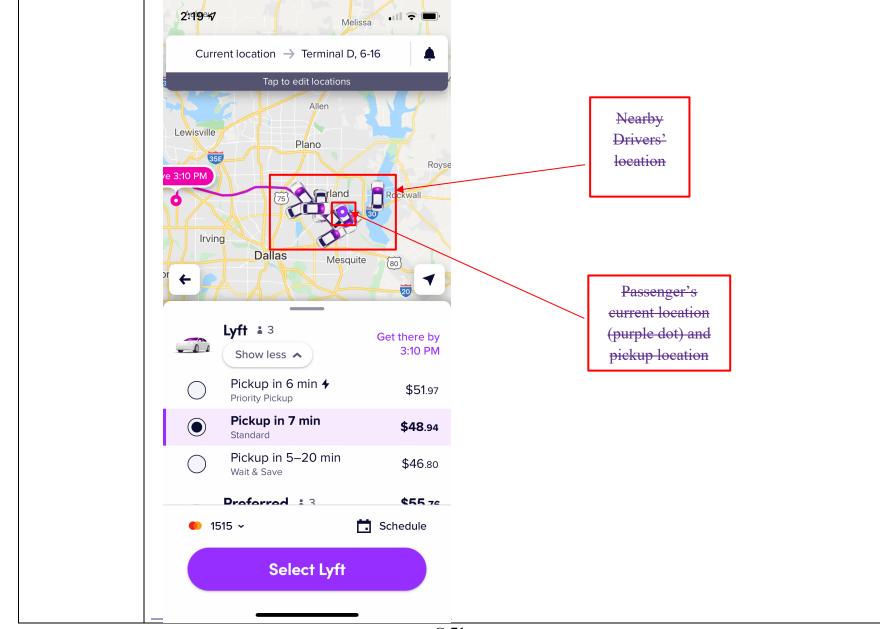
RESTRICTED CONFIDENTIAL SOURCE CODE





Claim - 10,299,100	Lyft's Accused Products
1[K]. wherein the mobile device does not have access to a phone number associated with a computing device	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: wherein the mobile device does not have access to a phone number associated with a computing device corresponding to the first vehicle, an Internet Protocol (IP) address associated with the computing device corresponding to the first vehicle, and an e-mail address associated with the computing device corresponding to the first vehicle.
corresponding to the first vehicle, an Internet Protocol (IP) address associated with the computing device corresponding to the first vehicle, and an e-mail address associated with the computing device	The Lyft app for the rider does not have access to the driver's phone number associated with the driver's account. The Lyft app for the rider also does not have access to the driver's email address or driver's IP address associated with the driver's device through the Lyft app. For example, the passenger does not have any information of the driver (such as email address, IP address, and contact number) and this information is not available through the Lyft app for the rider.
corresponding to the first vehicle.	





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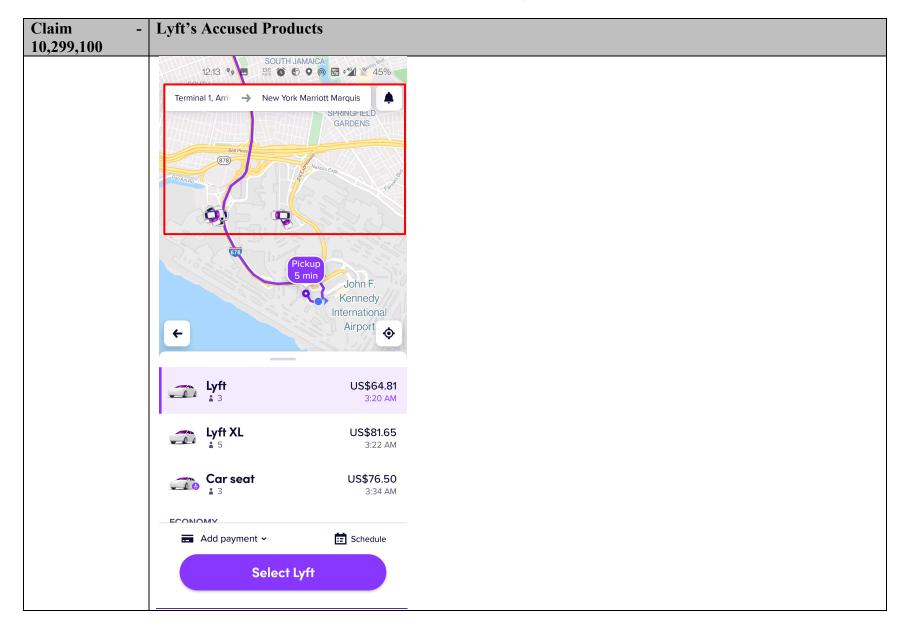
RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	Lyft's Accused Products
	-Walmart Supercenter 오
	Drop-off Petco Animal Supplies Edit
	Custore tree Control to Custore tree Control to Custore tree Control to Custore tree Control to Custore tree
	6 Pickup Radisson Hotel Mi Edit
	County Road B2 W (48)
	Lyft \$7:10 2.4 4:12 PM
	Good deal
	16 4.13 PM
	PayPai 🖬 Schedule
	Request Lyft
	https://www.youtube.com/watch?v=j0RDMLcmOgU at 3:49

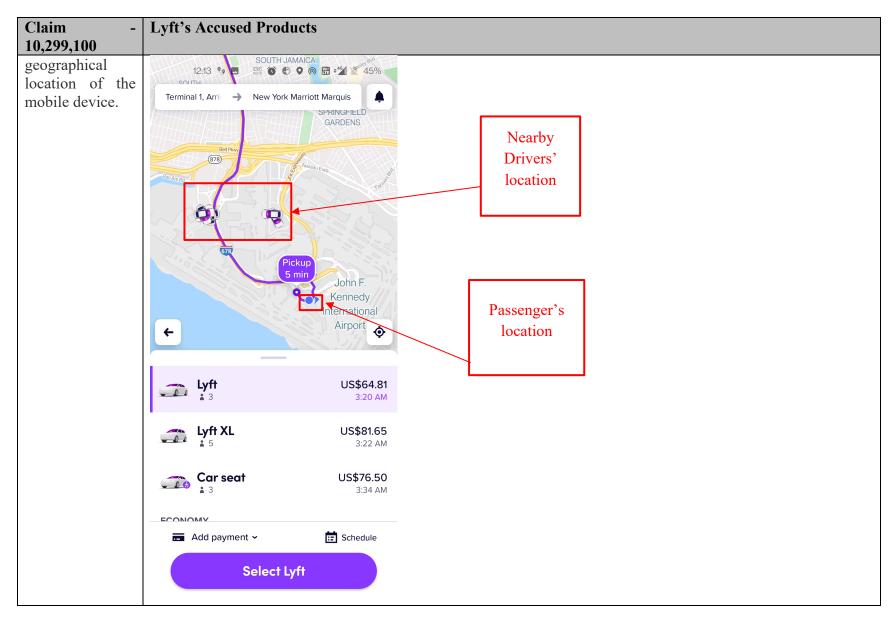
Case 5:21-cv-04653-BLF Document 104-4 Filed 04/18/22 Page 74 of 168

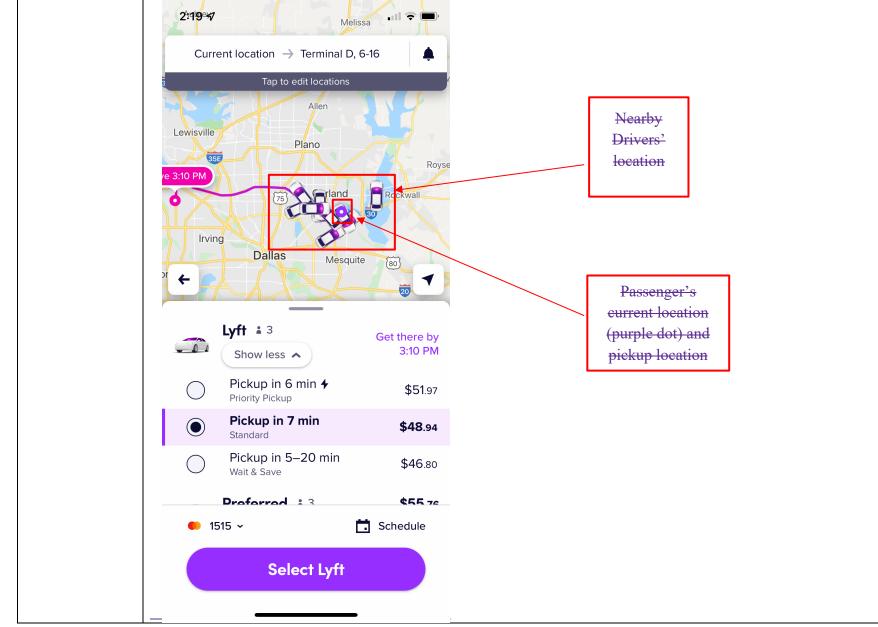
RESTRICTED CONFIDENTIAL SOURCE CODE

Claim 10,299,100	- Lyft's Accused Products
	219 × void Current location Ip to extince out Import of the control Ip to extince out Import out Ip to extince out



Claim -	Lyft's Accused Products
10,299,100 2. The method of	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or
claim 1, wherein:	contributing to the performance of: The method of claim 1, wherein: determining the device location comprises
determining the	obtaining geographical coordinates representing the geographical location of the mobile device from a global
device location	positioning system (GPS) receiver located within the mobile device; and marking the map further comprises
comprises	placing the participant symbol at a position on the map corresponding to the geographical coordinates representing
obtaining	the geographical location of the mobile device.
geographical	the geographical location of the moone device.
coordinates	
representing the	
geographical	
location of the	See claims 1[C] and 1[F] above.
mobile device	
from a global	Further, the Lyft app meets this limitation because it can receive GPS data to determine a location and use that
positioning	location to place a symbol at the location on the map. The location is provided in coordinates.
system (GPS)	
receiver located	
within the mobile	
device; and	
marking the map	
further	
comprises	
placing the	
participant	
symbol at a	
position on the	
map	
corresponding to	
the geographical	
coordinates	
representing the	

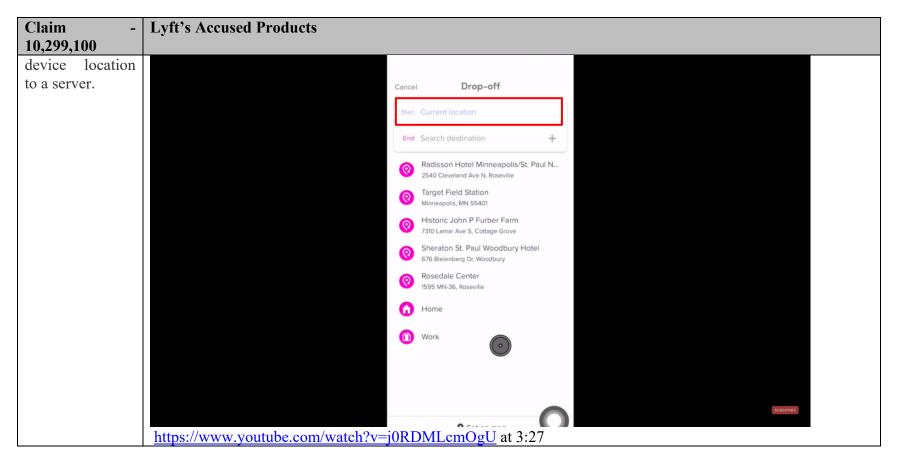


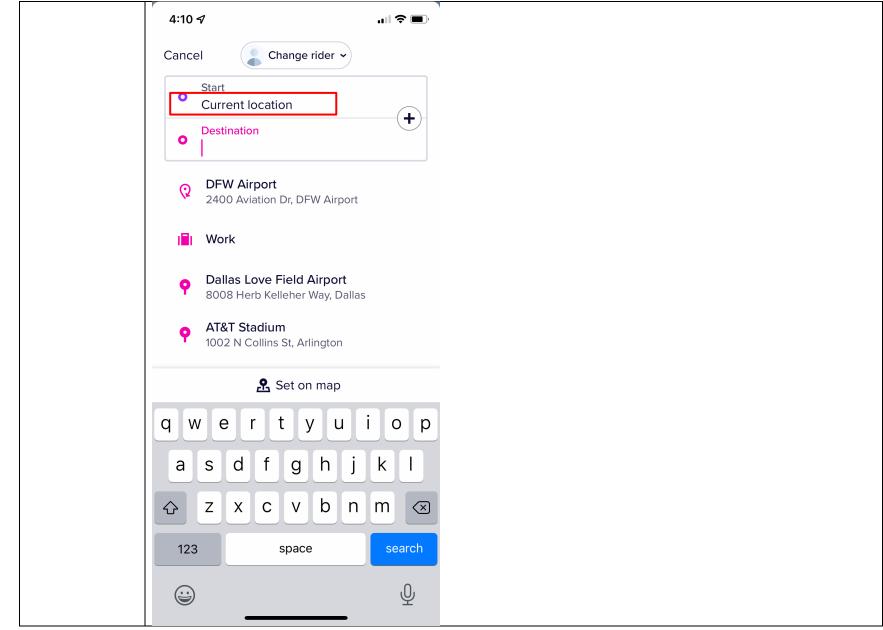


Claim - 10,299,100	Lyft's Accused Products
	You must have seen that every Android and iOS device in today's age comes with
	GPS right inside it. This is one feature that will be there in every smartphone no
	matter what the price of that device might be. And that is because of the fact that
	GPS is the most basic yet most useful feature on every smartphone.
	Just for information, the GPS stands for Global Positioning System and it provides
	accurate geolocation and time information for every equipment that is equipped
	with a GPS receiver. Now, the best example of using GPS is with services such as
	Google Maps, Apple Maps, and others where you can see where exactly you are right
	now on the Map. This is thanks to the GPS receiver which sends a signal to the GPS
	satellite. <u>https://www.cashify.in/how-to-turn-off-gps-on-any-android-or-ios-device</u>
3. The method of claim 1, wherein transmitting the first information to the first	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: transmitting the first information to the first vehicle comprises sending data comprising at least one of the identifier and the device location to a server.
vehicle comprises sending data comprising at least one of the identifier and the	See claim 1[B] above. In addition, the Lyft app meets this limitation because it communicates the account/identity information and location to the Lyft server. This can occur during the request or during the ride.

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RESTRICTED CONFIDENTIAL SOURCE CODE





🗙 Trip 🌍 Me 🗸		
• Start Current location		
• Destination		
 Work IHOP, Parkway Ave Newark Liberty Int'l Airp 3 Brewster Rd, Newark John F. Kennedy Int'l Air Queens, NY 11430 PHL Airport 8000 Essington Ave, Philad 	irport delphia	
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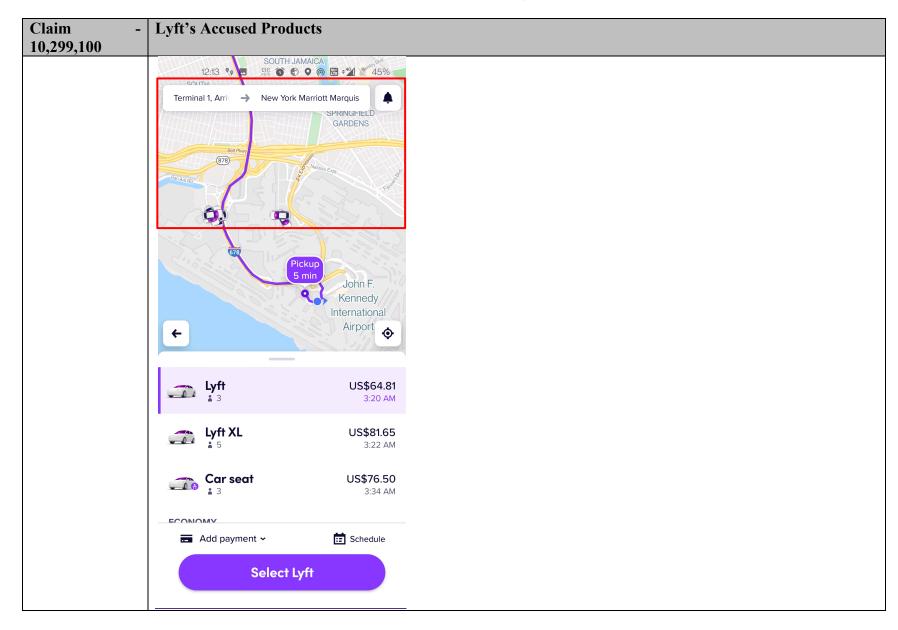
RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	· Lyft's Accused Products
	Walmart Supercenter 🔍
	Drop-off
	Other weiter to the second sec
	6 Pickup Radisson Hotel Mi Edit
	County Road B2 W (AB)
	Lyft \$7:10 14 \$7:10 14 \$1:2 PM
	Good deal 4:12 PM
	PayPal Schedule
	Request Lyft
	https://www.youtube.com/watch?v=j0RDMLcmOgU at 3:49

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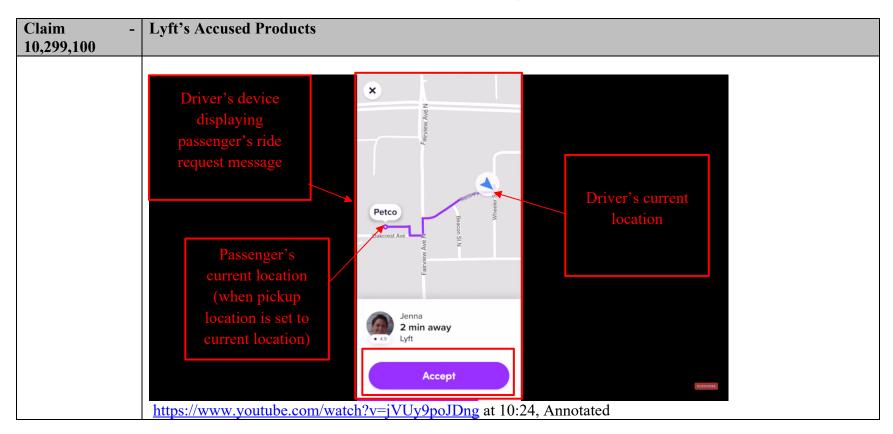
RESTRICTED CONFIDENTIAL SOURCE CODE

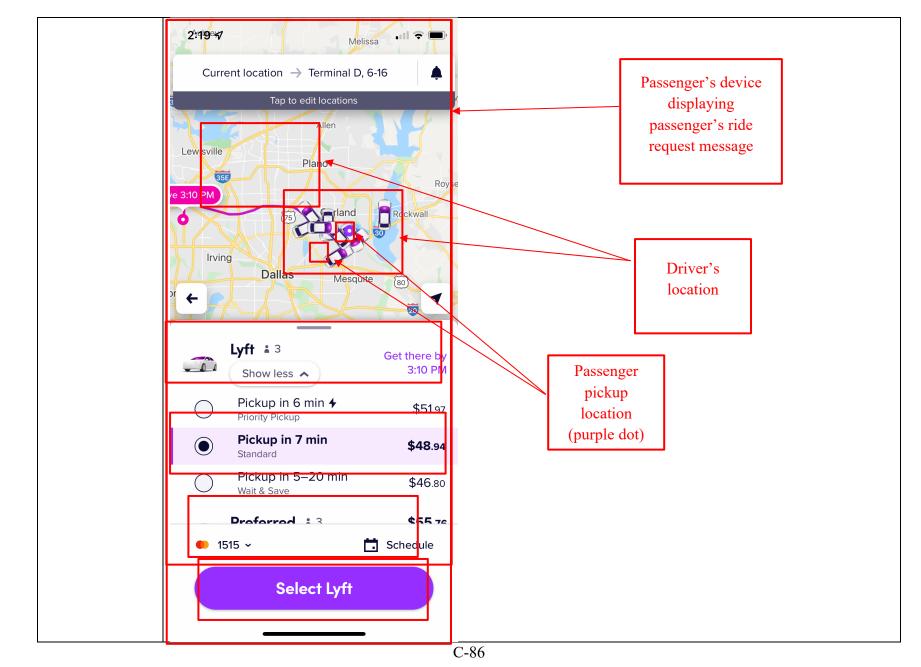
Claim - 10,299,100	· Lyft's Accused Products
10,299,100	2719-7 Current location -> Terminal D, 6-16 Ter to add locators Ter t
	Select Lyft

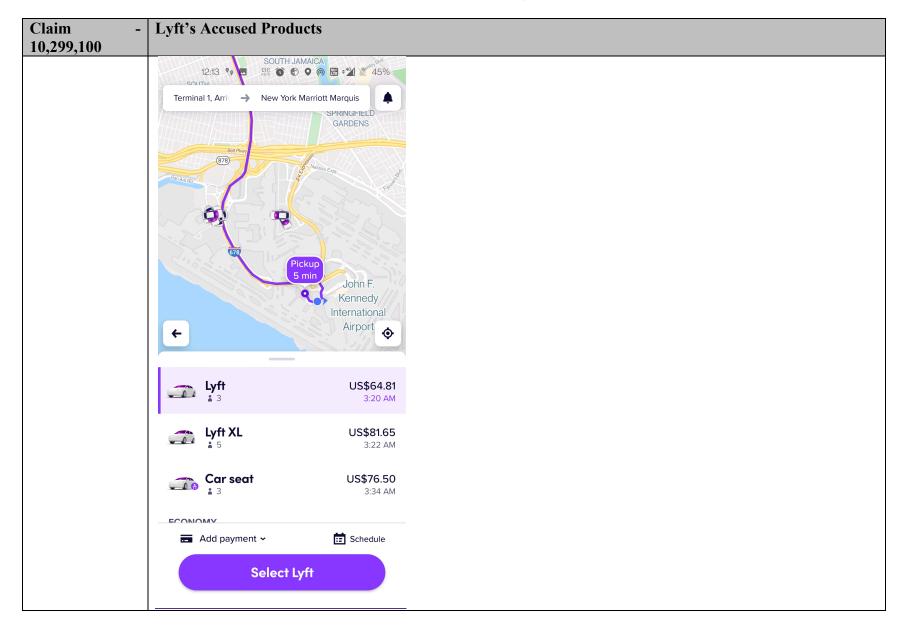


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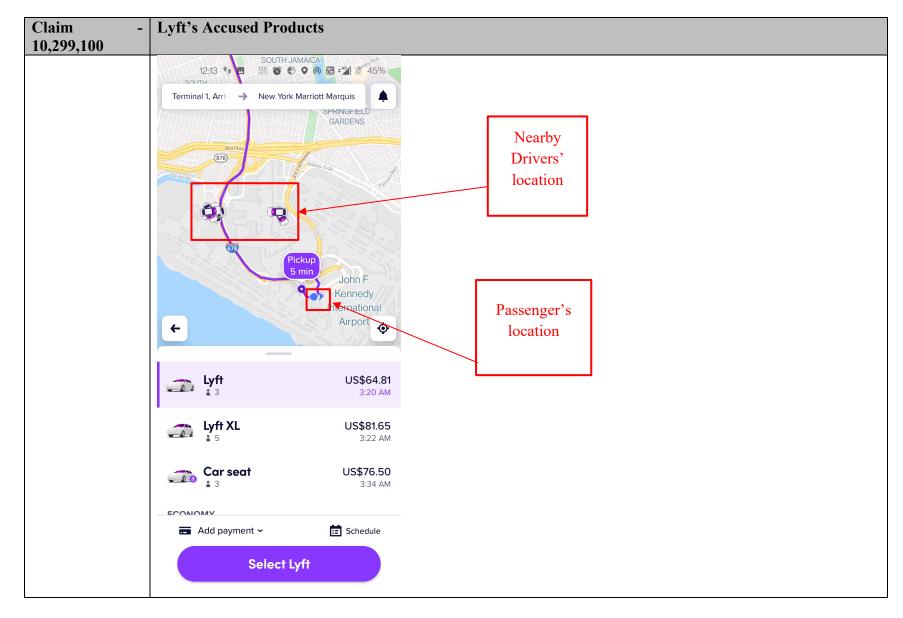
RESTRICTED CONFIDENTIAL SOURCE CODE

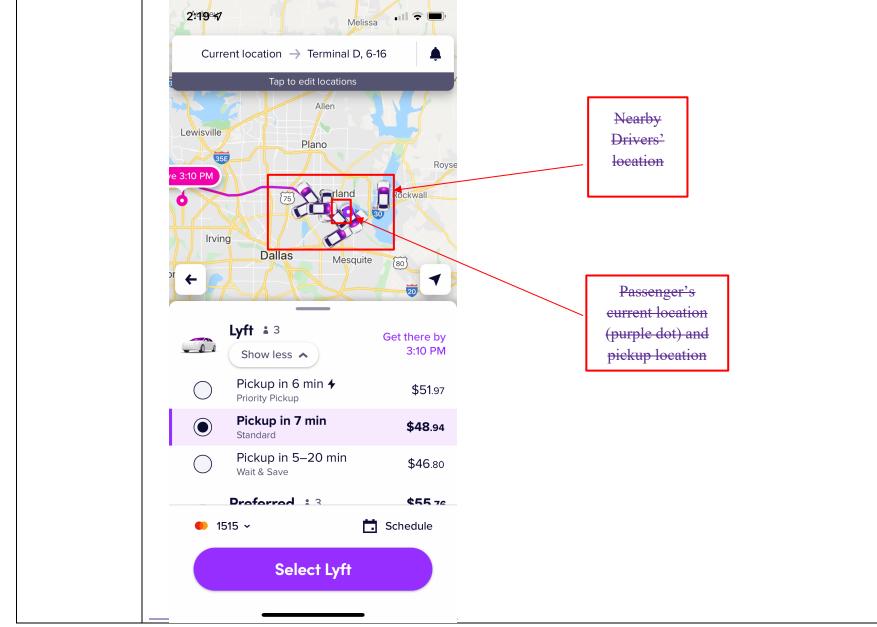




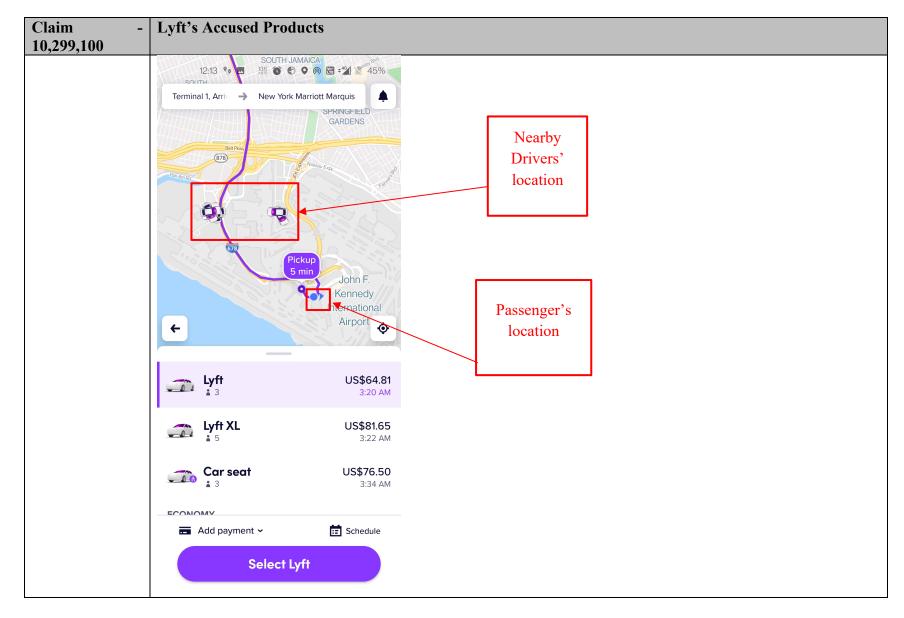


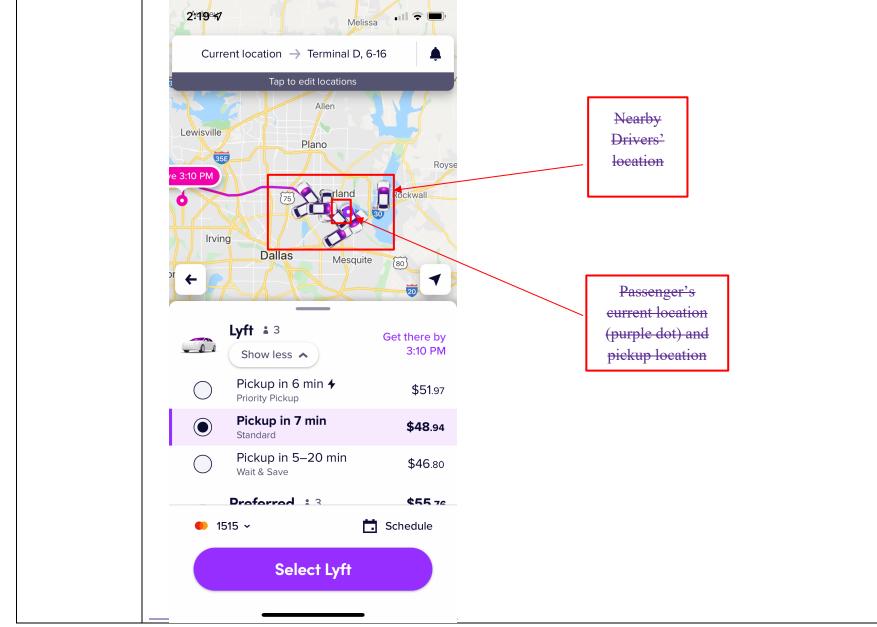
Claim -	Lyft's Accused Products
10,299,100	
4. The method of	
claim 1, further	contributing to the performance of: updating the map by updating at least one item selected from the group
comprising	consisting of: a position of the participant symbol, positions of the one or more vehicle symbols, and a portion of
updating the map	the map displayed on the display of the mobile device.
by updating at	
least one item	
selected from the	
group consisting	See claim 1[F] above. In addition, the Lyft app meets this limitation because it can update the location of the rider
of: a position of	or participant and the app can update the map. The map is updated with updated locations or new areas. For
the participant	example, the Lyft app updates the map with the passenger's current location coordinates and the nearby drivers'
symbol,	location corresponding to their respective location coordinates. The map portion, such as the tiles or overlays
positions of the	(such as routes), can be updated in response to interactions with the map, change of time/orientation, zoom, pan,
one or more	and/or user input or automatic input to the Lyft app from the user or Lyft server.
vehicle symbols,	
and a portion of	
the map	
displayed on the	
display of the	
mobile device.	





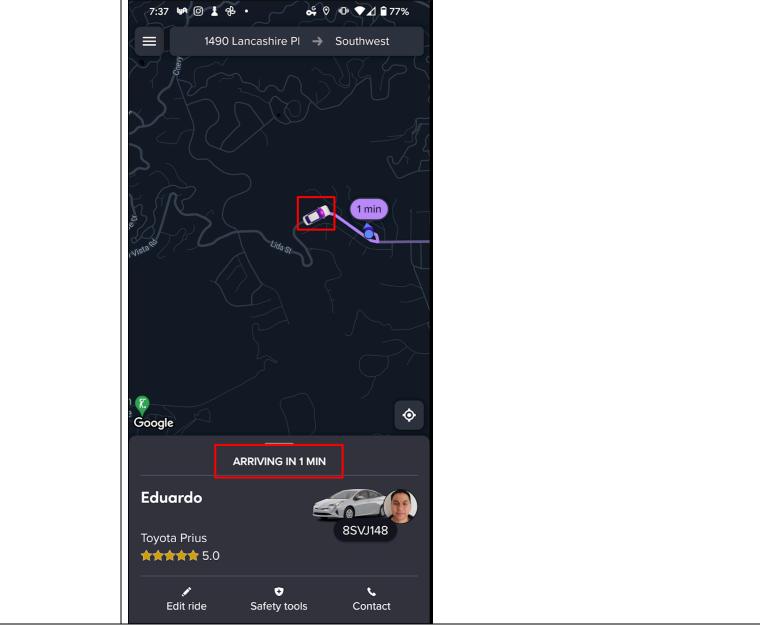
Claim - 10,299,100	Lyft's Accused Products
5. The method of claim 1, further comprising: receiving, from a server, updated respective vehicle locations of the one or	Every Lyft Accused Product infringes directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: receiving, from a server, updated respective vehicle locations of the one or more vehicles; and updating, based on the received updated vehicle locations and the coordinate translation data, positions of the one or more vehicle symbols on the map.
more vehicles; and updating, based on the received updated vehicle locations and the coordinate translation data, positions of the one or more vehicle symbols on the map.	See claims 1[F] and 4 above. Further, the Lyft app meets this limitation because the locations can be updated based on data received from the Lyft server and the locations presented on the map can be updated based on that data from the server. For example, the Lyft server updates the map in the Lyft app with the nearby drivers' location (vehicle icons) corresponding to their respective location coordinates.





Claim - 10,299,100	Lyft's Accused Products
6. The method of claim 1, further comprising: receiving, from a GPS receiver, updated device	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of receiving, from a GPS receiver, updated device locations and updated, based on the received device locations and the coordinate translation data, a position of the participant symbol on the map.
locations; and updating, based on the received device locations and the coordinate translation data, a position of the participant	See Claims 1 and 2 above.
symbol on the map.	
7. The method of claim 1, wherein the received second information is sent by the	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of the received second information is sent by the computing device corresponding to the first vehicle based on at least one criterion selected from the group consisting of: (1) passage of time, and (2) movement of the first vehicle.
computing device corresponding to the first vehicle	See claim 1. In addition, the Lyft app meets this limitation because it can update the location of the vehicle including location information or ETA or status information about the driver/vehicle. For example, vehicle

Claim -	Lyft's Accused Products
10,299,100 based on at least one criterion selected from the group consisting of: (1) passage of time, and (2) movement of the first vehicle.	location information is sent to the server periodically and then forwarded to riders. There is no other way to receive this second information (besides movement of location or periodic time elapse).
	https://www.youtube.com/watch?v=j0RDMLcmOgU at 5:07



Claim - 10,299,100	Lyft's Accused Products
8. The method of claim 1, wherein the received second information	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of receiving second information which comprises one or more messages.
comprises one or more messages.	See claim 1[J] above.
9. The method of claim 8, wherein the one or more messages comprise data to facilitate the mobile device	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of the one or more messages which comprises data to facilitate the mobile device transmitting the first information to the first vehicle without the mobile device using the phone number, IP address, and e-mail address associated with the first vehicle.
transmitting the first information to the first vehicle without the mobile device using the phone number, IP address, and e- mail address associated with the first vehicle.	See claim 1[K] above. The Lyft app meets this limitation because a rider is able to communicate a text message or voice message to the driver without knowing the driver's phone number, IP address and email address. This communication is transmitted via a Lyft server.

Claim -	Lyft's Accused Products
10,299,100	
10. The method	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or
of claim 1,	contributing to the performance of communicating the identifier to a server and joining a communication network
further	after the communication of the identifier to the server.
comprising:	
communicating	
the identifier to a	
server; and	See claim 1[B] above
joining a	
communication	
network after the	
communication	
of the identifier	
to the server.	
11. The method	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or
of claim 10,	contributing to the performance of the communication network comprises one or more communication devices
wherein the	corresponding, respectively, to the one or more vehicles, and wherein each of the one or more communication
communication	devices is associated with a respective identifier.
network	
comprises one or	
more	
communication	See Claims 1 and 10. The Lyft app meets this limitation because the installed Lyft apps and their respective
devices	accounts are part of the Lyft platform/network. For example, Lyft is a communication network of drivers and
corresponding,	passengers. The Lyft Driver app allows a driver to set up their account by providing information, including but
respectively, to	not limited to, name, email address, phone number, driver's license and vehicle information and associates the
the one or more	information with the respective device of the driver.
vehicles, and	
wherein each of	For example, the Lyft app also allows a passenger to set up their account by providing information including but
the one or more	not limited to name, email address and phone number and associates the information with the respective device
communication	of the passenger.
devices is	

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	Lyft's Accused Products
associated with a respective identifier.	What is Lyft?
	Lyft is a platform that connects drivers with individuals and organizations that need rides.
	https://www.lyft.com/drive-with-lyft

Claim - 10,299,100	Lyft's Accused Products
	Driver requirements
	All Lyft drivers must meet certain requirements to drive on the platform. Applicant and vehicle requirements can vary depending on your <u>City or State.</u>
	To start an application, see How to apply to become a driver for instructions.
	Skip to:
	 State and local requirement Age requirement Vehicle requirements Driving history Background check DMV check Driver license, license plates, and insurance Community Safety Education program https://help.lyft.com/hc/e/articles/115012925687-Driver-requirements

Claim - 10,299,100	Lyft's Accused Products
	How to start an application
	Create a Lyft account through the app or on the web at lyft.com/drivers.
	Enter your name, phone number, and email address, then submit all the info we need to ensure you meet the requirements. If you sign out of your account, any application info you've submitted will be saved.
	If you have a promo code , enter it when creating an account. If you apply through a link on a website, the code will be added automatically.
	Back to top
	https://help.lyft.com/hc/e/articles/115013081188
	Applicant Waitlist
	New applicants will be automatically added to our waitlist. This makes sure there's a better balance of drivers and passengers in your region.
	The waitlist is a hold on your application request that will be removed when additional spots for new drivers open up in your city. It's hard to say exactly how long you'll be on the waitlist due to a variety of factors that affect demand in certain areas. The waitlist doesn't impact existing drivers. We'll send you a notification as soon as a spot opens up!
	As soon as you're removed from the waitlist you'll be able to complete all necessary application steps. Once your application and documents are approved, you can start driving.
	https://help.lyft.com/hc/e/articles/115013081188

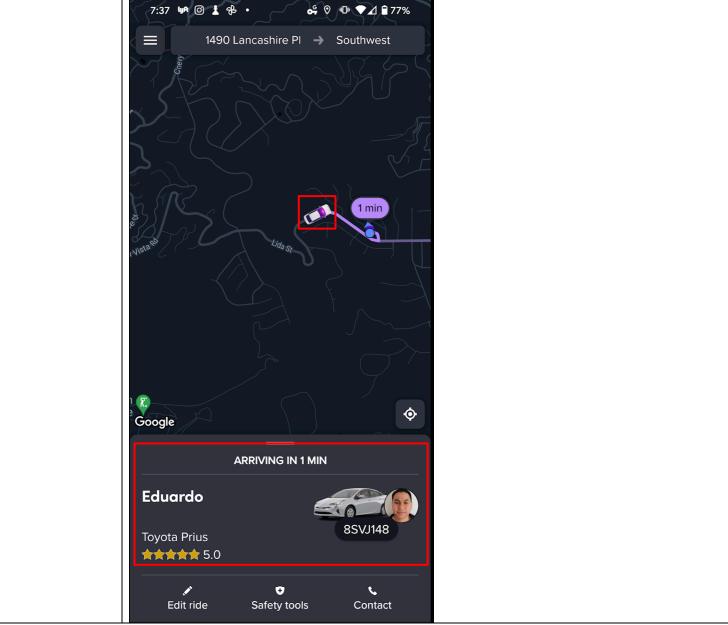
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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	Lyft's Accused Products
	Before you begin, be sure you have the following:
	Your phone number
	Your email address
	A photo of yourself
	Get started
	1. Type in your device's phone number
	2. To verify your identity, we'll send a verification code via text to your phone number. We want to make sure you're human!
	3. The text message should arrive immediately. If you don't see it after a bit, tap 'Resend code.'
	4. Type in your name, email address, and take a selfie so your driver knows who to pick up
	 That's it! Once you've set up your account, you'll be able to request a ride (Learn How to request a ride).
	https://help.lyft.com/hc/e/articles/115012926947-How-to-create-a-Lyft-account
	See claim 10 above.
12. The method of claim 1, further comprising determining a location- reporting status	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: determining a location-reporting status of the mobile device, wherein the location-reporting status is one of a reporting state and a non-reporting state, and wherein transmitting the first information to the first vehicle comprises sending the device location to a server only when the location-reporting status is in the reporting state.

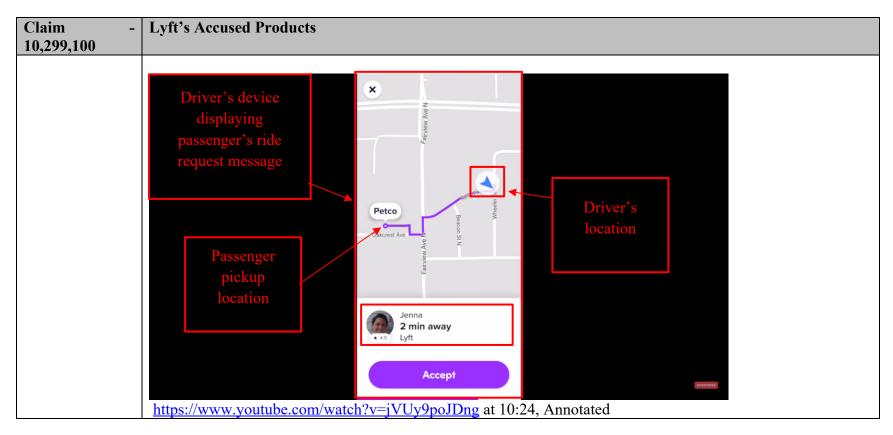
Claim - 10,299,100	Lyft's Accused Products
of the mobile	
device, wherein	See claims 1 and 2 above. The Lyft apps perform this limitation because they determine whether locations
the location-	services/mode are enabled/disabled and if the location services/mode is enabled the Lyft app communicates
reporting status	location to the Lyft server. When location services are disabled, the Lyft app requests that the user enable
is one of a	location services to use the app and thus does not send location to the Lyft server. Locations retrieved from
reporting state	location services are sent when location services are enabled.
and a non-	
reporting state,	
and wherein	
transmitting the	
first information	
to the first	
vehicle	
comprises	
sending the	
device location	
to a server only	
when the	
location-	
reporting status	
is in the reporting	
state.	
13. The method	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or
of claim 1,	contributing to the performance of: transmitting the first information to the first vehicle comprises transmitting
wherein	data including the first information to a server using an Internet Protocol, wherein the second information
transmitting the	corresponding to the first vehicle is transmitted by the server to the mobile device using the Internet Protocol, and
first information	wherein an IP address of the server is accessible to the mobile device.
to the first	
vehicle	
comprises	

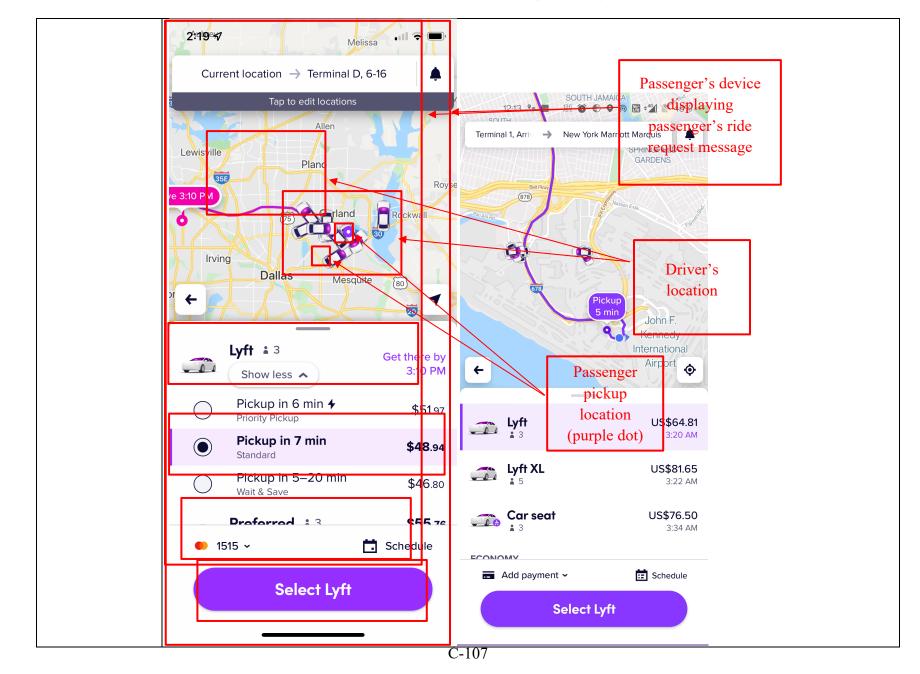
Claim -	Lyft's Accused Products
10,299,100 transmitting data including the first information to a server using an Internet Protocol, wherein the second information corresponding to the first vehicle is transmitted by the server to the mobile device using the Internet Protocol, and wherein an IP address of the server is accessible to the mobile device.	See claims 1[E] and 1[I] above. The Lyft app meets this limitation because it communicates information to the Lyft server(s) via IP-based communications. For example, a passenger's Lyft app transmits the ride request message to the nearby drivers via the Lyft server using IP based communication which includes the IP address of the server. After the driver accepts the ride request, the driver's information (including but not limited to driver's name, photo, vehicle name and vehicle model) is transmitted to the passenger's Lyft app via the server using IP based communication which includes the IP address of the server.
	https://www.youtube.com/watch?v=j0RDMLcmOgU at 5:07



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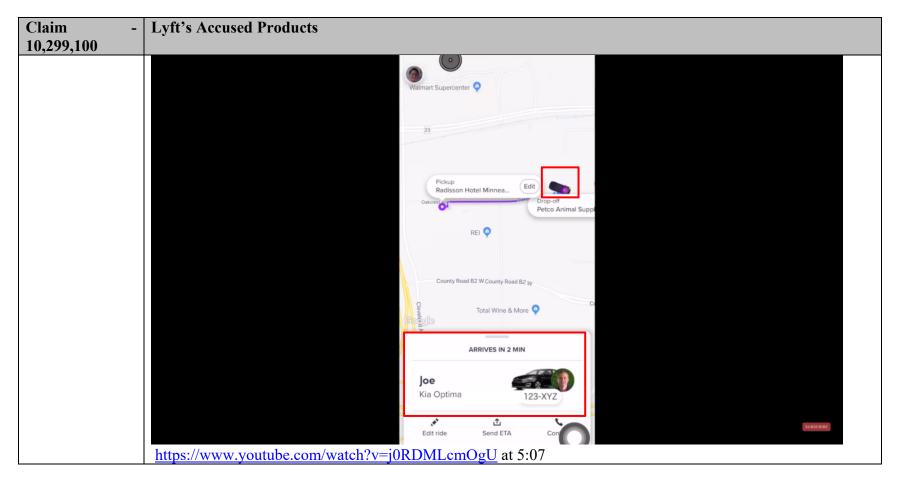


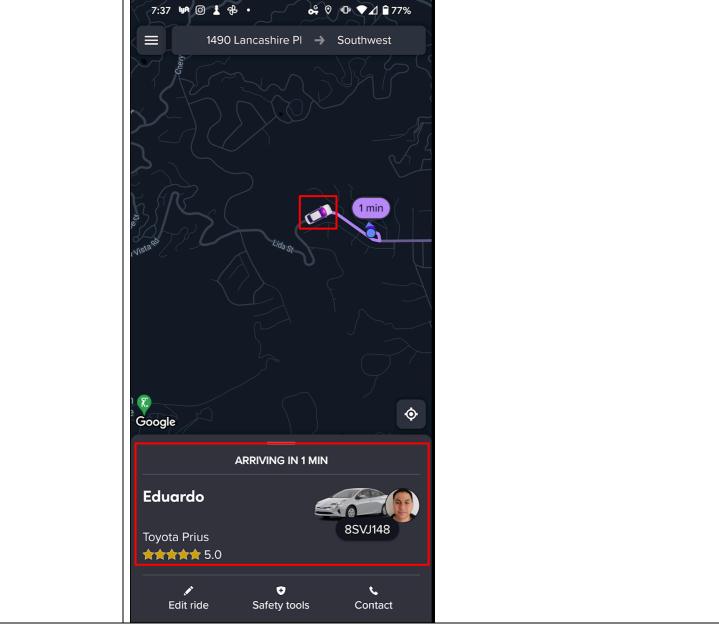


Claim - 10,299,100	Lyft's Accused Products
	Network addressing
	When a 'message' such as a file, image or video is transmitted across a network, it is first broken down into small blocks called <i>segments</i> . These are placed into containers called <i>packets</i> , typically by the Internet Protocol (IP). There are two versions of IP: version 4 and version 6.
	IP is responsible for delivering the packets from source to destination, and regardless of the version being used, packets must use some form of addressing to uniquely identify the message source and message destination.
	https://www.open.edu/openlearncreate/mod/oucontent/view.php?id=129584&printable=1
14. The method of claim 13, wherein the data transmitted to the server further includes a second identifier	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: the data transmitted to the server further includes a second identifier corresponding to a second network participant associated with the computing device corresponding to the first vehicle.
corresponding to a second network participant associated with the computing device corresponding to	See claims 1 and 13. The Lyft app meets this limitation because the communications include account/identity information. This information is included in the data communicated to the server(s). For example, when a driver accepts the ride request of the passenger, the rider's Lyft app receives the driver's information (such as name, location, vehicle model and vehicle number) ("second identifier corresponding to a second network participant") from the server and vice versa.
the first vehicle.	

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RESTRICTED CONFIDENTIAL SOURCE CODE





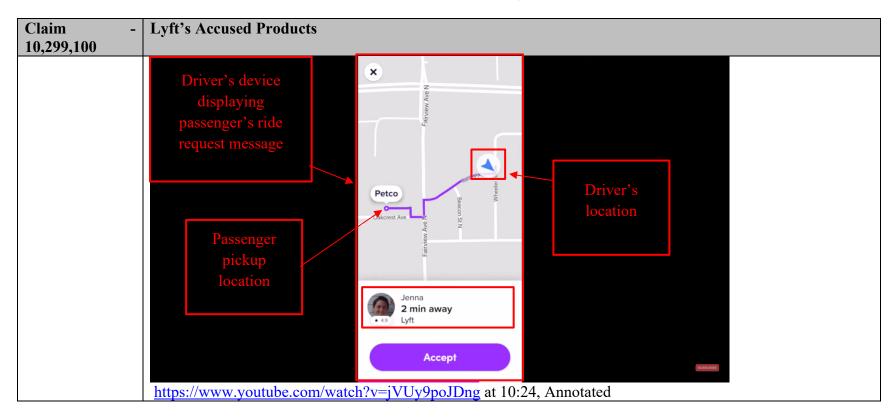
Claim - 10,299,100	Lyft's Accused Products
15. The method of claim 14, wherein: the server stores an IP address of the computing device associated	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: the server stores an IP address of the computing device associated with the second network participant identified by the second identifier; and the server transmits the first information to the computing device corresponding to the first vehicle in a message addressed to the stored IP address of the computing device corresponding to the first vehicle.
with the second network participant identified by the second identifier; and the server transmits the first information to the computing device corresponding to the first vehicle in a message addressed to the	See claims 1, 13, 14. The Lyft app stores the IP address of the Lyft app and communicates with the Lyft app (and accounts or identities) via IP based communication. Lyft server(s) store the IP addresses of Lyft app/accounts for use in IP based communication. For example, Lyft's server store IP addresses of each driver's device and associates it to the respective driver's information including but not limited to as name, location, vehicle model and vehicle number. When the passenger requests a ride, the request ride message ("first information") comprising pickup location and passenger's name and photo ("identifier") is communicated to the nearby drivers using their respective IP addresses which are stored in the server.
stored IP address of the computing device corresponding to the first vehicle.	

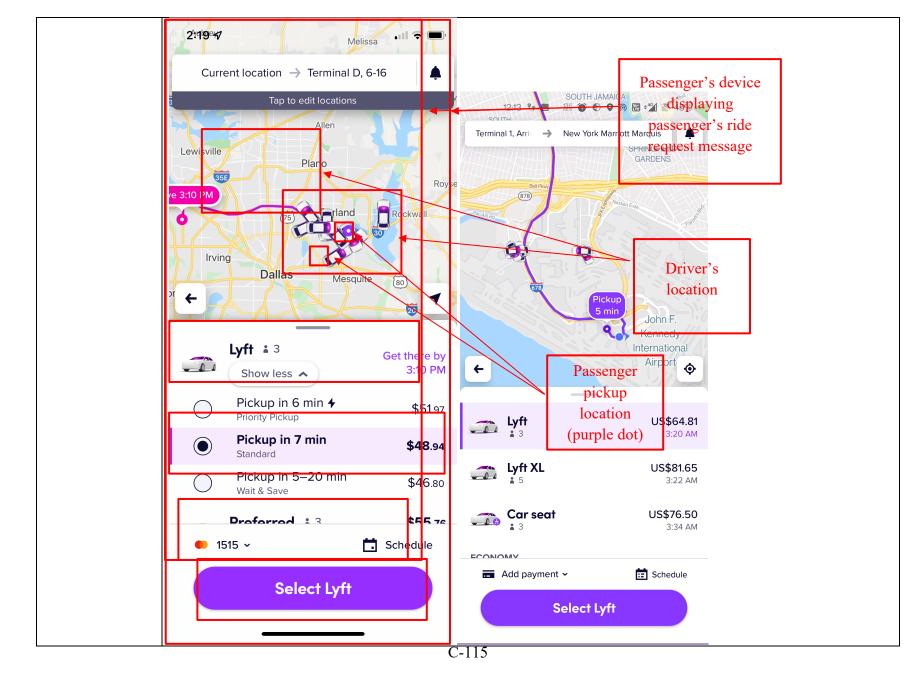
Claim - 10,299,100	Lyft's Accused Products						
	Driver requirements						
	All Lyft drivers must meet certain requirements to drive on the platform. Applicant and vehicle requirements can vary depending on your <u>City or State.</u>						
	To start an application, see How to apply to become a driver for instructions.						
	Skip to:						
	 State and local requirement Age requirement Vehicle requirements Driving history Background check DMV check Driver license, license plates, and insurance Community Safety Education program https://help.lyft.com/hc/e/articles/115012925687-Driver-requirements 						

Claim - 10,299,100	Lyft's Accused Products
	How to start an application
	Create a Lyft account through the app or on the web at lyft.com/drivers.
	Enter your name, phone number, and email address, then submit all the info we need to ensure you meet the requirements. If you sign out of your account, any application info you've submitted will be saved.
	If you have a promo code , enter it when creating an account. If you apply through a link on a website, the code will be added automatically.
	Back to top
	https://help.lyft.com/hc/e/articles/115013081188
	Applicant Waitlist
	New applicants will be automatically added to our waitlist. This makes sure there's a better balance of drivers and passengers in your region.
	The waitlist is a hold on your application request that will be removed when additional spots for new drivers open up in your city. It's hard to say exactly how long you'll be on the waitlist due to a variety of factors that affect demand in certain areas. The waitlist doesn't impact existing drivers. We'll send you a notification as soon as a spot opens up!
	As soon as you're removed from the waitlist you'll be able to complete all necessary application steps. Once your application and documents are approved, you can start driving.
	https://help.lyft.com/hc/e/articles/115013081188

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Claim - 10,299,100	Lyft's Accused Products						
	Network addressing						
	When a 'message' such as a file, image or video is transmitted across a network, it is first broken down into small blocks called <i>segments</i> . These are placed into containers called <i>packets</i> , typically by the Internet Protocol (IP). There are two versions of IP: version 4 and version 6.						
	IP is responsible for delivering the packets from source to destination, and regardless of the version being used, packets must use some form of addressing to uniquely identify the message source and message destination.						
	https://www.open.edu/openlearncreate/mod/oucontent/view.php?id=129584&printable=1						
16. The method of claim 1, further comprising determining coordinates of the selected position on the map, wherein data associated with the set of symbols include coordinates of positions on the map of the symbols in the set,	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of determining coordinates of the selected position on the map, wherein data associated with the set of symbols include coordinates of positions on the map of the symbols in the set, wherein the search of the set of symbols includes a search of the coordinates of the positions of the symbols in the set for coordinates located nearest to the coordinates of the selected position, and wherein the selected facility symbol is identified as the symbol located nearest to the selected position based on a result of the search of the coordinates of the positions on the map of the symbols. <i>See</i> claim 1[H] above.						

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Claim - 10,299,100	Lyft's Accused Products
wherein the	
search of the set	
of symbols	
includes a search	
of the	
coordinates of	
the positions of	
the symbols in	
the set for	
coordinates	
located nearest to	
the coordinates	
of the selected	
position, and	
wherein the	
selected facility	
symbol is	
identified as the	
symbol located	
nearest to the	
selected position	
based on a result	
of the search of	
the coordinates	
of the positions	
on the map of the	
symbols.	
17. The method	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or
of claim 1,	contributing to the performance of determining coordinates of the selected portion of the display, wherein data
further	associated with he set of symbols include coordinates of portions of the display corresponding to the symbols in

Claim -	Lyft's Accused Products
10,299,100	
comprising	the set, wherein the search of the set of symbols includes a search of the coordinates of the portions of the display
determining	corresponding to the symbols in the set for coordinates located nearest to the coordinates of the selected portion
coordinates of	of the display, and wherein the selected facility symbol is identified as the symbol located nearest to the selected
the selected	position based on a result of the search of the coordinates of the portions of the display corresponding to the
portion of the	symbols.
display,	
wherein data	
associated with	
the set of	See claim 1[H] above.
symbols include	
coordinates of	
portions of the	
display	
corresponding to	
the symbols in	
the set, wherein	
the search of the	
set of symbols	
includes a search	
of the	
coordinates of	
the portions of	
the display	
corresponding to	
the symbols in	
the set for	
coordinates	
located nearest to	
the coordinates	
of the selected	

Claim -	Lyft's Accused Products
10,299,100	
portion of the	
display, and	
wherein the	
selected facility	
symbol is	
identified as the	
symbol located	
nearest to the	
selected position	
based on a result	
of the search of	
the coordinates	
of the portions of	
the display	
corresponding to	
the symbols.	
18. The method	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or
of claim 1,	contributing to the performance of determining coordinates of a location represented by the selected position on
further	the map, wherein data associated with the set of symbols include coordinates of locations of entities represented
comprising	by the symbols in the set, wherein the search of the set of symbols includes a search of the coordinates of the
determining	locations of the entities represented by the symbols in the set for coordinates located nearest to the coordinates of
coordinates of a	the location represented by the selected position on the map, and wherein the selected facility symbol is identified
location	as the symbol located nearest to the selected position based on a result of the search of the coordinates of the
represented by	locations of the entities represented by the symbols.
the selected	
position on the	
map,	
wherein data	See claim 1[H] above.
associated with	
the set of	

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim -	Lyft's Accused Products
10,299,100	
symbols include	
coordinates of	
locations of	
entities	
represented by	
the symbols in	
the set,	
wherein the	
search of the set	
of symbols	
includes a search	
of the	
coordinates of	
the locations of	
the entities	
represented by	
the symbols in	
the set for	
coordinates	
located nearest to	
the coordinates	
of the location	
represented by	
the selected	
position on the	
map, and	
wherein the	
selected facility	
symbol is	
identified as the	

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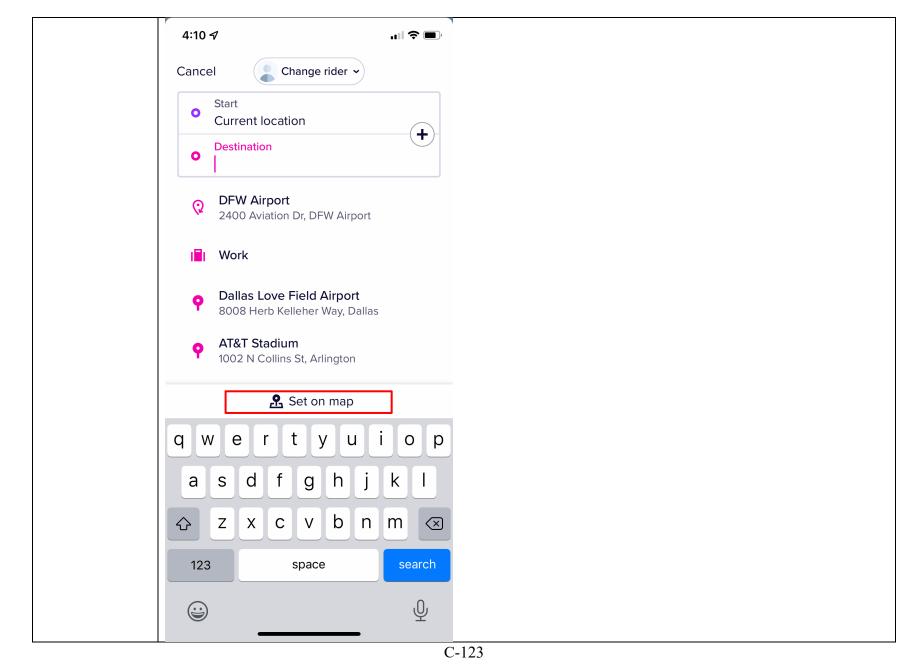
RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	Lyft's Accused Products
symbol located	
nearest to the	
selected position	
based on a result	
of the search of	
the coordinates	
of the locations	
of the entities	
represented by	
the symbols.	
19. The method	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or
of claim 1,	contributing to the performance of: after identifying the selected facility symbol, displaying an address of the
further	facility represented by the facility symbol.
comprising:	
after identifying	
the selected	
facility symbol,	See claim 1. The Lyft apps meet this limitation because the Lyft app displays the address for selected entities on
displaying an	the display. For example, after Lyft identifies the selected facility symbol (e.g. airport), it displays the address of
address of the	the selected facility represented by the facility symbol.
facility	
represented by	
the facility	
symbol.	

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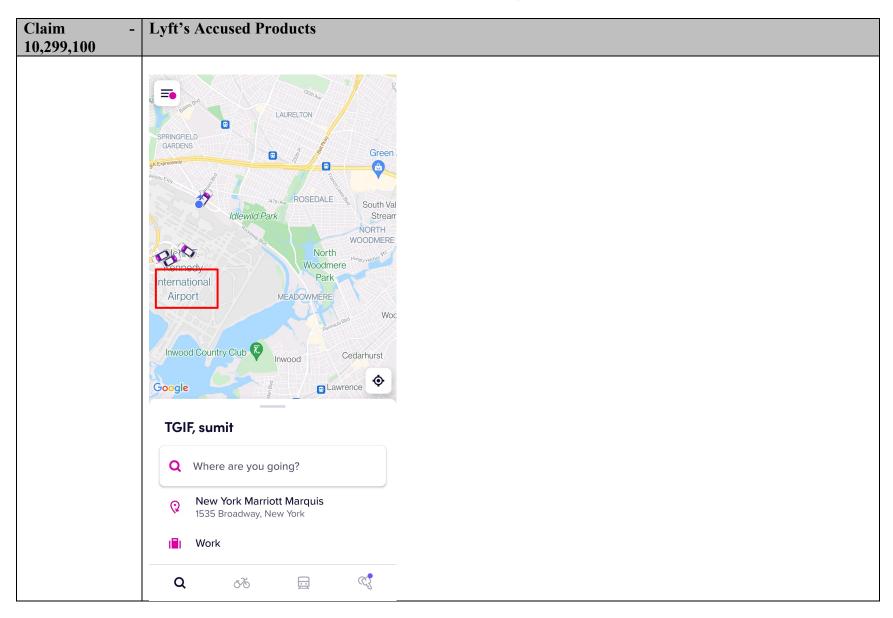
RESTRICTED CONFIDENTIAL SOURCE CODE

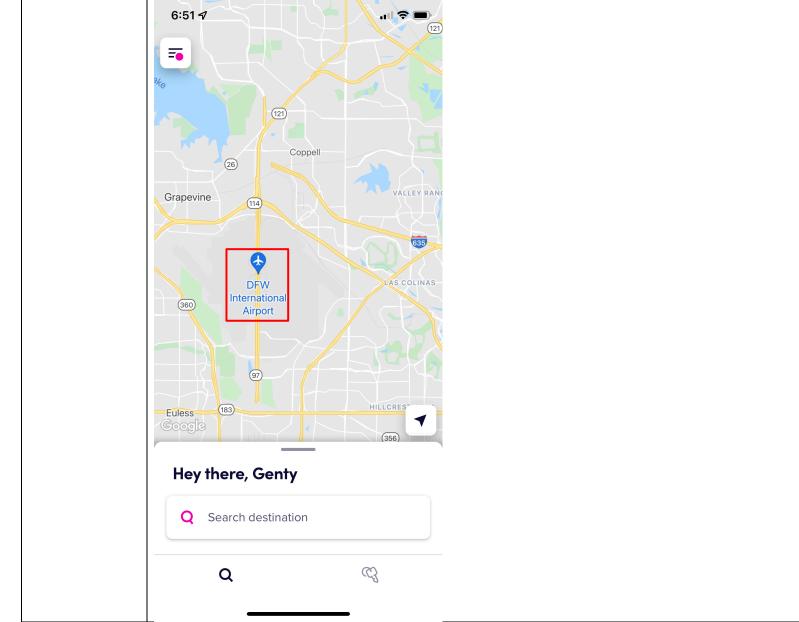
Claim - 10,299,100	Lyft's	Accused Pro	ducts	
	× т	rip 🜔 Change		
	0	Start		
	•	Destination		+
	1	Work		
	A	Home		
	٥	Current location		
	ደ	Set on map		
	Q	ō∕ō	••	C?



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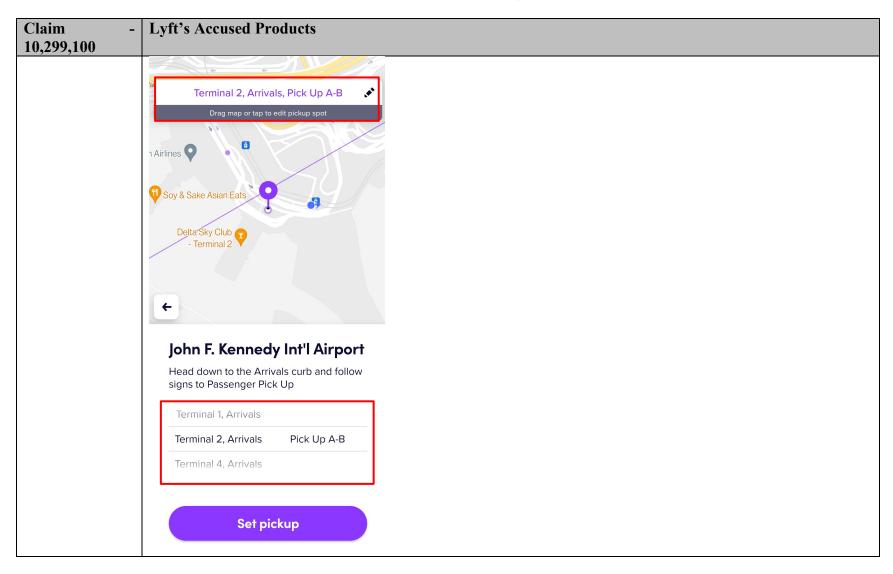
RESTRICTED CONFIDENTIAL SOURCE CODE

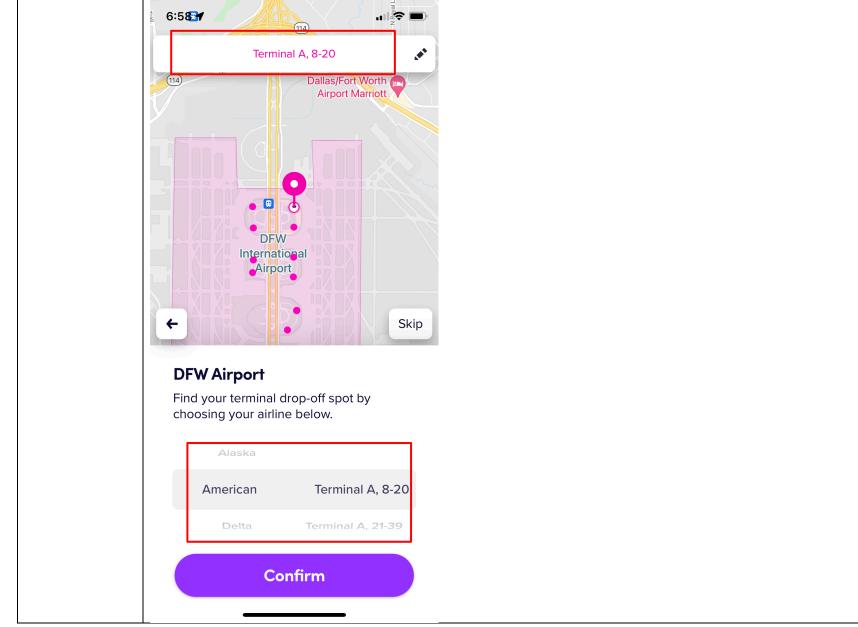




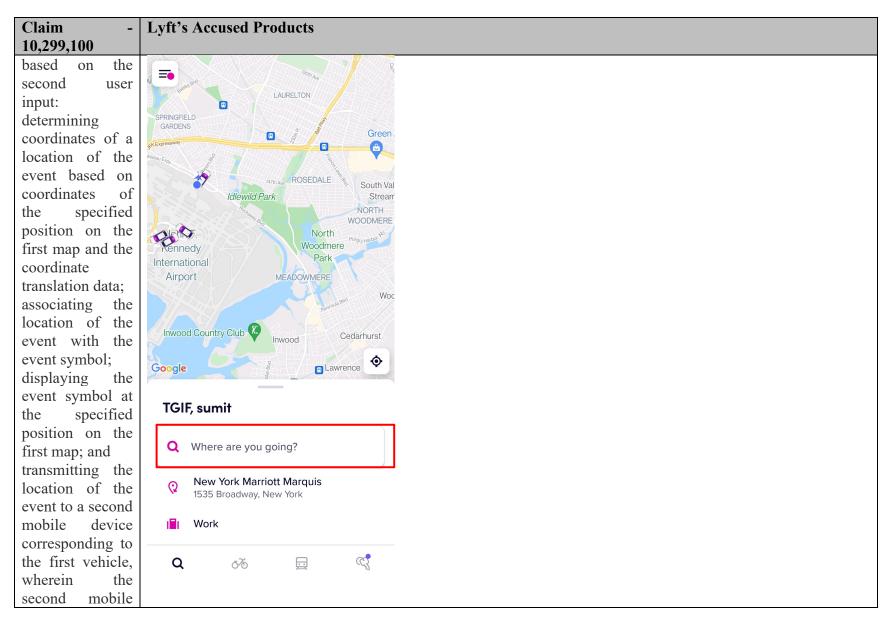
Case 5:21-cv-04653-BLF Document 104-4 Filed 04/18/22 Page 127 of 168

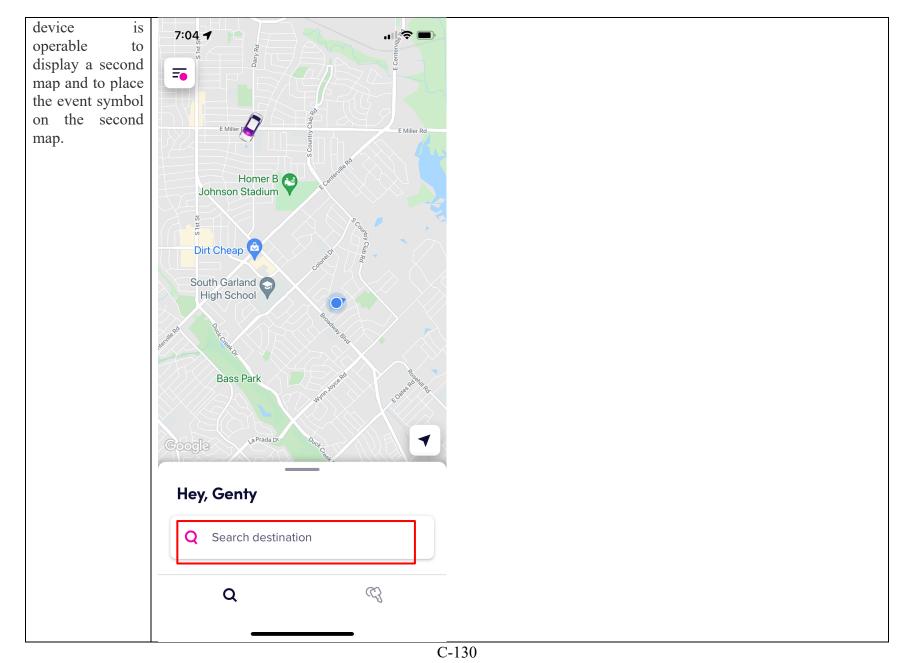
RESTRICTED CONFIDENTIAL SOURCE CODE





Claim - 10,299,100	Lyft's Accused Products
10,277,1200	
20. The method of claim 1, wherein the mobile device is a first mobile device, wherein the map is a first map, and wherein the method further comprises:	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: the mobile device is a first mobile device, wherein the map is a first map, and wherein the method further comprises: receiving second user input via user interaction with a second portion of the display of the first mobile device, the second user input specifying a position on the first map of an event symbol representing an event; and based on the second user input: determining coordinates of a location of the event based on coordinates of the specified position on the first map and the coordinate translation data; associating the location of the event with the event symbol; displaying the event symbol at the specified position on the first map; and transmitting the location of the event to a second map and to place the event symbol on the second map.
receiving second user input via user interaction with a second portion of the display of the first mobile device, the second user input specifying a position on the first map of an event symbol representing an event; and	See claim 1. The Lyft app meets this limitation because the user can provided user input in the Lyft app to specify multiple pickup/stop/destinations and the corresponding symbol/location will be placed on the map. This symbol/location is communicated to the driver's Lyft app. For example, through the Lyft app, a passenger inputs a destination address by clicking on the map interface. This input specifies a position on the map and is displayed as a symbol after the user inputs it. Further, this location is transmitted to the driver and is displayed as a symbol on the driver's app.

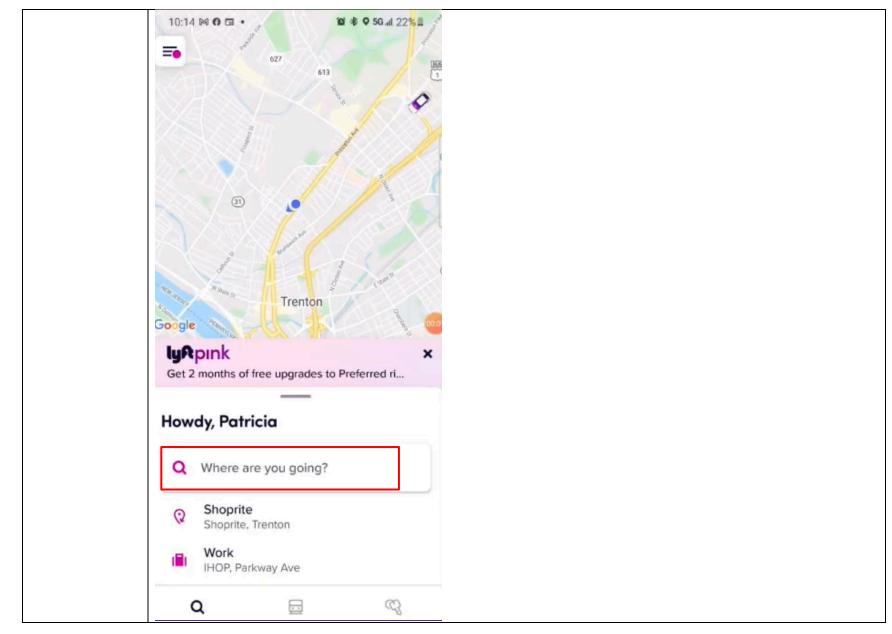




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RESTRICTED CONFIDENTIAL SOURCE CODE

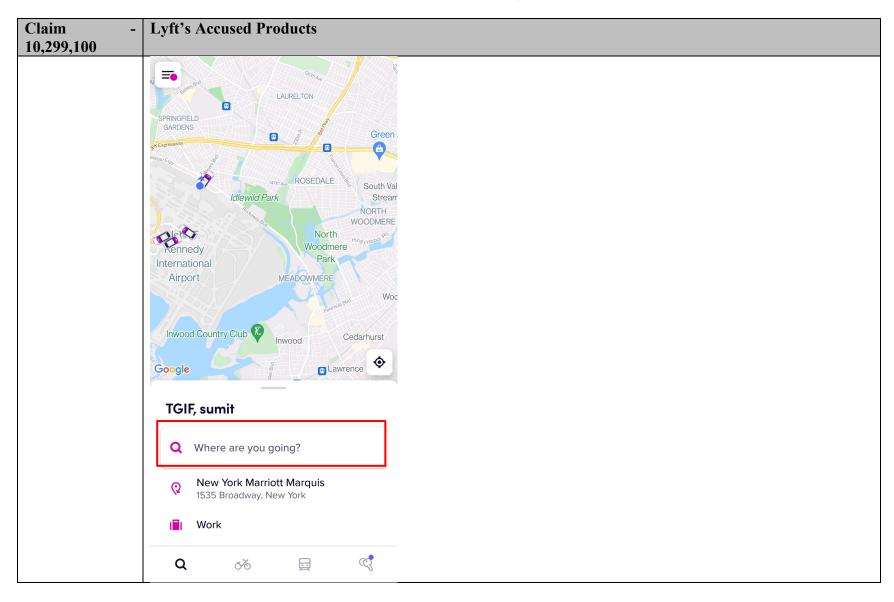
Claim - 10,299,100	Lyft's Accused Products

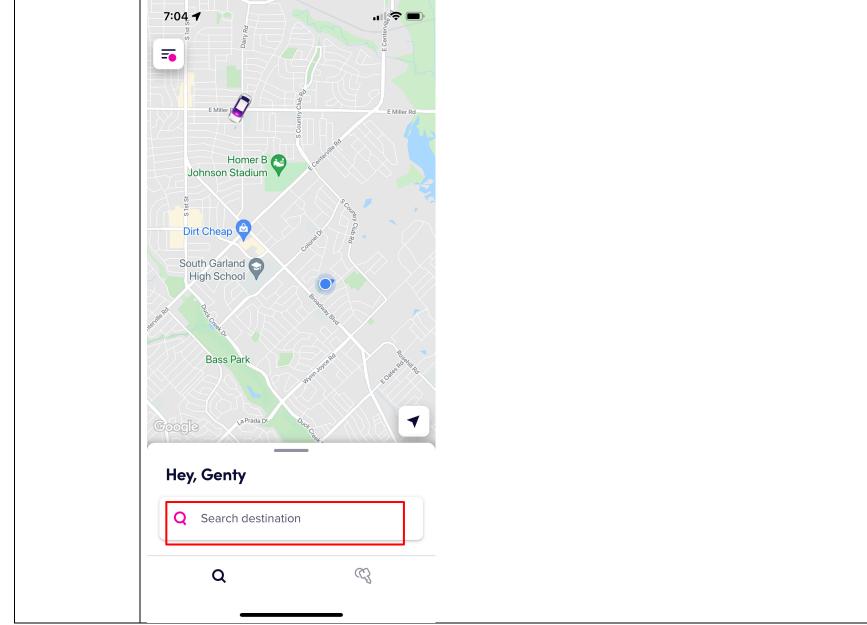


Claim -	Lyft's Accused Products
10,299,100	
21. The method	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or
of claim 20,	contributing to the performance of: the coordinates of the location of the event are determined based on coordinates
wherein the	of the position of the event symbol on the map and the coordinate translation data.
coordinates of	
the location of	
the event are	
determined	See claims 1[H] and 20. For example, the coordinates of the destination address ("event") are determined by the
based on	symbol placed by the passenger on the map in the Lyft app.
coordinates of	
the position of	
the event symbol	
on the map and	
the coordinate	
translation data.	

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RESTRICTED CONFIDENTIAL SOURCE CODE





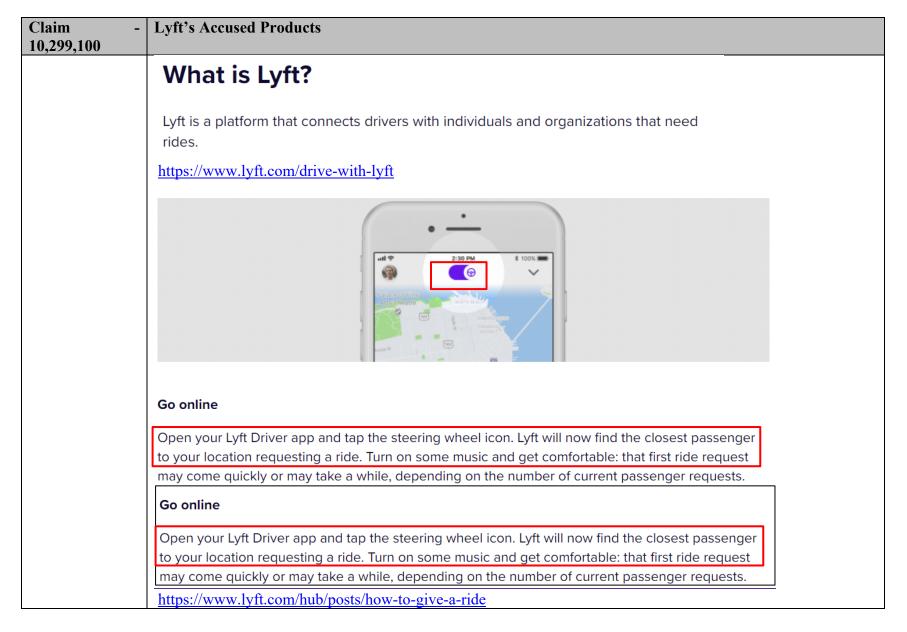
Claim - 10,299,100	Lyft's Accused Products
22. The method of claim 20, wherein the coordinates of the location of the event are	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: the coordinates of the location of the event are determined based on coordinates of the second portion of the display and the coordinate translation data.
determined based on coordinates of the second portion of the display and the coordinate translation data.	See claims 20-21. For example, the coordinates of the destination address ("event") are determined by the symbol placed in the second portion of the map by the passenger in the Lyft app.
23. The method of claim 1, wherein the map is first map, wherein the coordinate translation data are first coordinate translation data, wherein an area	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: wherein the map is first map, wherein the coordinate translation data are first coordinate translation data, wherein an area depicted in the first map represents a first portion of an area depicted in a second map, and wherein the method further comprises: receiving, from a server, a third map representing a second portion of the area depicted in the second map and second coordinate translation data correlating coordinates of positions on the second map with corresponding coordinates of geographical locations.
depicted in the first map represents a first	

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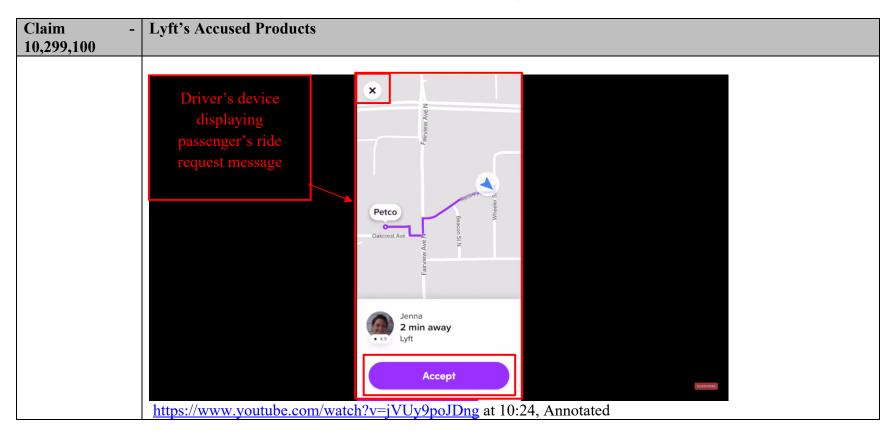
Claim -	Lyft's Accused Products
10,299,100	
portion of an area	
depicted in a	
second map, and	
wherein the	
method further	
comprises:	
receiving, from a	
server, a third	
map representing	
a second portion	
of the area	
depicted in the	
second map and	
second	
coordinate	
translation data	
correlating	
coordinates of	
positions on the	
second map with	
corresponding	
coordinates of	
geographical	
locations.	
24[P]. A system	The Lyft Accused Products comprise a system comprising a mobile device contained in a portable housing, the
comprising a	mobile device comprising
mobile device	
contained in a	
portable housing,	
the mobile	

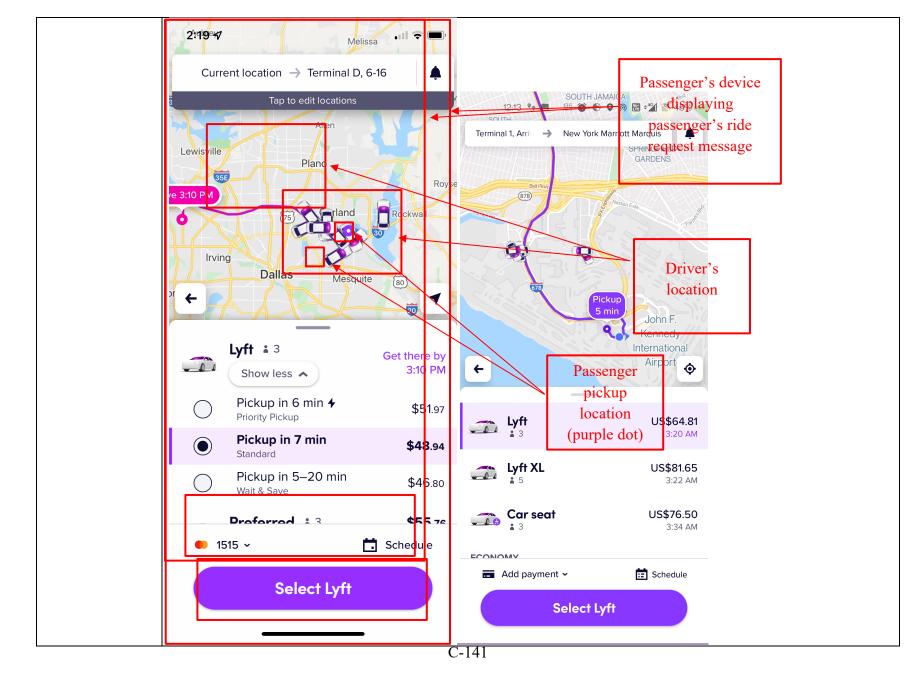
Claim - 10,299,100	Lyft's Accused Products
device comprising:	For example, Lyft provides the Lyft app for passengers and the Lyft Driver app for drivers. The Lyft apps for riders and drivers, in conjunction with Lyft's servers and services, provide users with interactive methods to request, view, and track locations of passengers/riders using real-time maps and communications via mobile phones to establish a wireless communication network.
	The Lyft apps for riders and drivers, in conjunction with Lyft's servers and services, provide users with interactive methods to request, view, and track locations of passengers/riders using real-time maps and communications. The Lyft server(s) and their services communicate with the Lyft apps for riders and drivers. The Lyft server(s) and their services host information related to and instructions for processing user/device/vehicle accounts, location data, and map data. The claimed methods are distributed by Lyft in the Lyft apps. The claimed methods are used/tested by Lyft using the Lyft apps. The claimed methods are downloaded and installed by Lyft's customers (riders) and personnel (drivers, personnel) at the direction/encouragement of Lyft and used by Lyft's customers and Lyft's personnel.
	Lyft Driver app
	We've separated the passenger and driver experiences into two separate mobile apps — one exclusively for passengers (named the Lyft app) and the other exclusively for drivers (named the Lyft Driver app).
	The Lyft Driver app will eventually be standard for all drivers and required for driving. At this time, drivers can keep using the Lyft app to give rides. Don't worry! While we have some planned improvements to the Lyft Driver app, we've kept its features the same.
	https://help.lyft.com/hc/en-ca/articles/115013079208-Lyft-Driver-app



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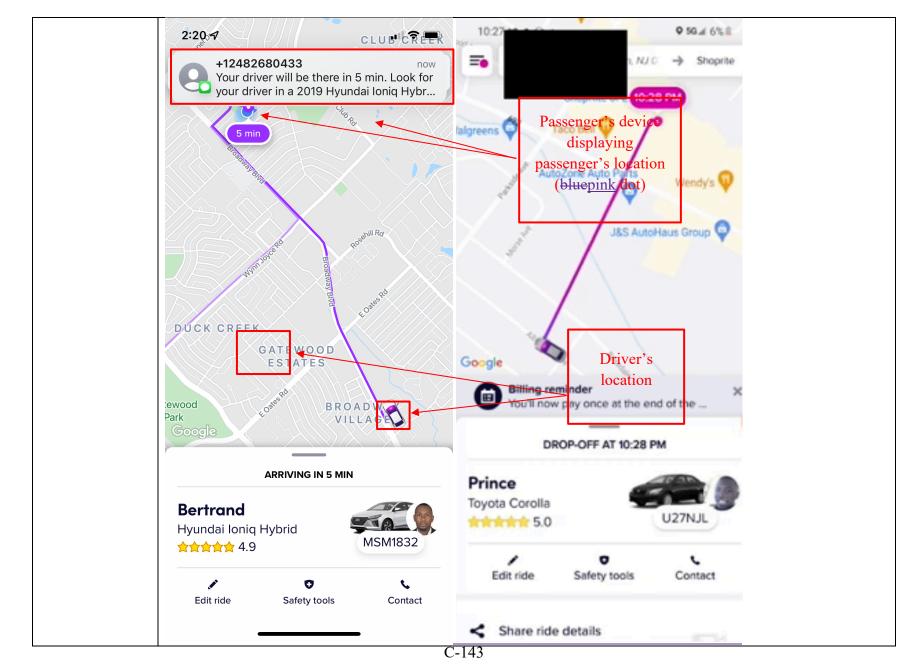




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Claim - 10,299,100	Lyft's Accused Products
	Unop-off Petco Animal Supplies G Petco Animal Supplies G Petco Animal Supplies Edit G Petco Animal Supplies County Road B2 W
	LUXURY EXTRA Lyft \$7.10 1.4 4:13 PM
	Lyft XL \$8.75 ±6 \$stedule PayPal Schedule Request Lyft https://www.youtube.com/watch?v=j0RDMLcmOgU at 4:01



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Claim - 10,299,100	Lyft's Accused Products
	Wi-Finder Wi-Finder Winder Winder
24[A]. a touch screen display, non-transitory	The Lyft Accused Products comprise a touch screen display, non-transitory computer-readable media, and a central processing unit (CPU).

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	Lyft's Accused Products
	For example, Lyft drivers' and passengers' smart devices including but not limited to smartphones and tablets (with the Lyft or Lyft Driver app installed) comprises a display, processor and storage media.

Claim - 10,299,100	Lyft's Accused Products
	Combining multiple components into a single chip saves on space, cost, and power consumption.
	Essentially, an SoC is the brain of your smartphone that handles everything from the Android operating
	system to detecting when you press the power off button. SoCs connect to other components too,
	such as cameras, a display, RAM, flash storage, and much more.
	The list below contains the most common components that you will find inside a smartphone System-
	on-a-Chip. We're going to cover a few of the most important ones later on in this article.
	Central Processing Unit (CPU) — The "brains" of the SoC. Runs most of the code for the
	Android OS and most of your apps.
	· Graphics Processing Unit (GPU) — Handles graphics-related tasks, such as visualizing an
	app's user interface and 2D/3D gaming.
	 Image Processing Unit (ISP) — Converts data from the phone's camera into image and video files.
	• Digital Signal Processor (DSP) — Handles more mathematically intensive functions than a
	CPU. Includes decompressing music files and analyzing gyroscope sensor data.
	Neural Processing Unit (NPU) — Used in high-end smartphones to accelerate machine
	learning (AI) tasks. These include voice recognition and camera processing.
	 Video encoder/decoder — Handles the power-efficient conversion of video files and formats.
	• Modems — Converts wireless signals into data your phone understands. Components
	include 4G LTE, 5G, WiFi, and Bluetooth modems.
	https://www.androidauthority.com/what-is-an-soc-smartphone-chipsets-explained-1051600/
24[B]. a mobile	The Lyft Accused Products comprise a mobile device transmitter communicatively coupled to the CPU.
device	The Lyft Accused Froducts comprise a moone device transmitter communicatively coupled to the CPU.

Claim -	Lyft's Accused Products
10,299,100	
transmitter communicatively coupled to the CPU;	For example, Lyft drivers' and passengers' smart devices including but not limited to smartphones and tablets (with the Lyft or Lyft Driver app installed) comprise a transmitter module (antenna) coupled to a processor to send data.
	1. Antenna
	Antenna is used to receive and transmit radio frequency. It is inbuilt in the cabinet of the mobile phone. These are called inbuilt antenna. http://www.mobilecellphonerepairing.com/mobile-phone-parts.html

Claim - 10,299,100	Lyft's Accused Products
	Mobile phone contents
	Mobile phones contain a large amount of circuitry, each of which is carefully designed to optimise its performance. The cell phone comprises analogue electronics as well as digital circuits ranging from processors to display and keypad electronics. A mobile phone typically consists of a single board, but within this there are a number of distinct functional areas, but designed to integrate to become a complete mobile phone:
	Radio frequency - receiver and transmitter
	Digital signal processing
	Analogue / digital conversion
	Control processor
	SIM or USIM card
	Power control and battery
	Source: <u>https://www.electronics-notes.com/articles/connectivity/cellular-mobile-phone/how-cellphone-works-inside-components.php</u>
24[C]. a mobile device receiver communicatively coupled to the	The Lyft Accused Products comprise a mobile device receiver communicatively coupled to the CPU.
CPU;	For example, Lyft drivers' and passengers' smart devices including but not limited to smartphones and tablets (with the Lyft or Lyft Driver app installed) comprise a receiver module (antenna) coupled to a processor to receive data.

Claim - 10,299,100	Lyft's Accused Products
	1. Antenna
	Antenna is used to receive and transmit radio frequency. It is inbuilt in the cabinet of the mobile phone. These are called inbuilt antenna. http://www.mobilecellphonerepairing.com/mobile-phone-parts.html
	Mobile phone contents
	Mobile phones contain a large amount of circuitry, each of which is carefully designed to optimise its performance. The cell phone comprises analogue electronics as well as digital circuits ranging from processors to display and keypad electronics. A mobile phone typically consists of a single board, but within this there are a number of distinct functional areas, but designed to integrate to become a complete mobile phone:
	Radio frequency - receiver and transmitter
	Digital signal processing Analogue / digital conversion
	Control processor
	SIM or USIM card
	Power control and battery
	Source: <u>https://www.electronics-notes.com/articles/connectivity/cellular-mobile-phone/how-cellphone-works-inside-components.php</u>

Claim -	Lyft's Accused Products
10,299,100 24[D]. a global positioning system (GPS) receiver, communicatively coupled to the CPU, configured to obtain geographical coordinates corresponding to a geographical location of the mobile device;	CPU, configured to obtain geographical coordinates corresponding to a geographical location of the mobile device.
24[E]. the CPU configured to	See Claim 1[A] above.

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	Lyft's Accused Products
execute	
instructions to	
perform	
operations	
comprising:	
24[F].	See Claim 1[B] above.
associating the	
mobile device	
with an	
identifier,	
wherein the	
identifier	
corresponds to a	
network	
participant	
24[G].	See Claim 1[C] above.
determining, by	
the CPU, a	
device location	
corresponding to	
the geographical	
location of the	
mobile device	
based on the	
geographical	
coordinates	
obtained by the GPS receiver	
located within	

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	Lyft's Accused Products
device;	
24[H]. receiving,	See Claim 1[D] above.
from a server,	
mapping data	
including a map	
and coordinate	
translation data	
correlating	
coordinates of	
positions on the	
map with	
corresponding	
coordinates of	
geographical	
locations	
24[I]. receiving,	See Claim 1[E] above.
from a server,	
location data	
indicating	
vehicle locations	
of one or more	
vehicles	
24[J]. marking	See Claim 1[F] above.
the map with a	
plurality of	
symbols	
comprising: a	
participant	
symbol	

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim -	Lyft's Accused Products
10,299,100	
corresponding to	
the device	
location, one or	
more facility	
symbols	
corresponding to	
respective	
facility locations	
of one or more	
facilities, and	
one or more	
vehicle symbols	
corresponding to	
respective	
vehicle locations	
of the one or	
more vehicles,	
wherein marking	
the map	
comprises:	
24[K].	See Claim 1[G] above.
determining,	
based at least in	
part on the	
vehicle locations	
and the	
coordinate	
translation data,	
positions on the	
map	

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	Lyft's Accused Products
corresponding to	
the vehicle	
locations,	
displaying the	
map on the	
display of the	
mobile device,	
and	
placing the	
vehicle symbols	
on the map at the	
determined	
positions	
corresponding to	
the vehicle	
locations;	
24[L].	See Claim 1[H] above.
responsive to	
user selection of	
a portion of the	
display	
corresponding to	
a position on the	
map, identifying	
a selected facility	
symbol based on	
the selected	
position,	
comprising:	
initiating a	

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim -	Lyft's Accused Products
10,299,100	
search of a set of	
symbols	
including the	
facility symbols	
for a symbol	
located nearest to	
the selected	
position and,	
based on a result	
of the search,	
identifying the	
selected facility	
symbol as the	
symbol located	
nearest to the	
selected position;	
24[M]. after	See Claim 1[I] above.
receiving user	
input on the	
touch screen	
display,	
transmitting, by	
the mobile	
device	
transmitter, first	
information to a	
first vehicle of	
the one or more	
vehicles; and	

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim -	Lyft's Accused Products
10,299,100	
24[N]. after	See Claim 1[J] above.
transmitting the	
first information	
to the first	
vehicle,	
receiving, at the	
mobile device	
receiver, second	
information	
corresponding to	
the first vehicle	
and displaying	
the received	
second	
information on	
the touch screen	
display of the	
mobile device,	
24[O]. wherein	See Claim 1[K] above.
the mobile	
device does not	
have access to a	
phone number	
associated with a	
computing	
device	
corresponding to	
the first vehicle,	
an Internet	
Protocol (IP)	

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	Lyft's Accused Products
address	
associated with	
the computing	
device	
corresponding to	
the first vehicle,	
and an e-mail	
address	
associated with	
the computing	
device	
corresponding to	
the first vehicle.	
25. The system	See Claim 5 above.
of claim 24,	
wherein the	
operations	
further comprise:	
receiving, from a	
server, at the	
mobile device	
receiver, updated	
respective	
vehicle locations	
of the one or	
more vehicles;	
and	
updating, based	
on the received	
updated vehicle	

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim -	Lyft's Accused Products
10,299,100	
locations and the	
coordinate	
translation data,	
positions of the	
one or more	
vehicle symbols	
on the map	
displayed on the	
touch screen	
display.	
26. The system	See Claim 10 above.
of claim 24,	
wherein the	
operations	
further comprise:	
communicating,	
by the mobile	
device	
transmitter, the	
identifier to a	
server; and	
joining a	
communication	
network after the	
communication	
of the first	
identifier to the	
server.	
27. The system	See Claim 11 above.
of claim 26,	

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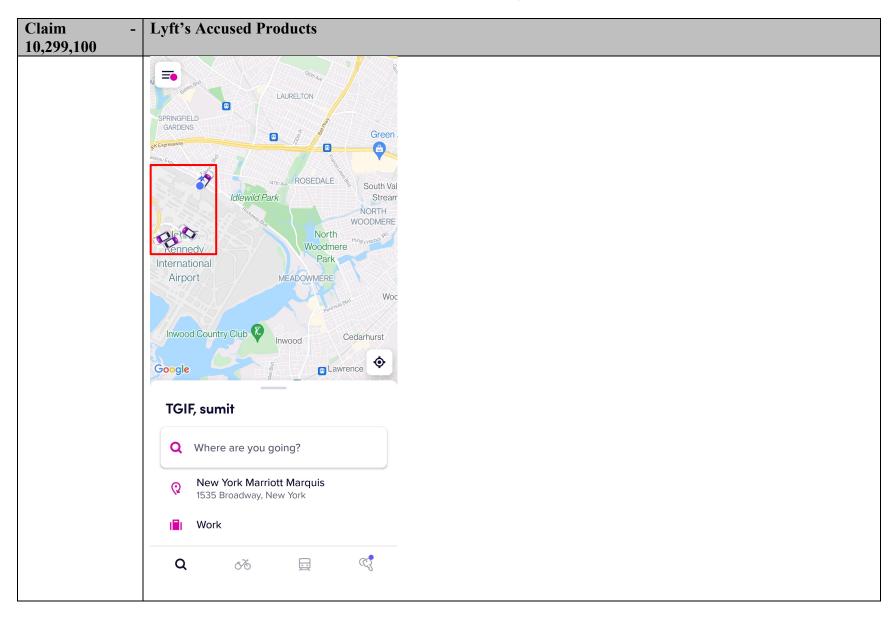
RESTRICTED CONFIDENTIAL SOURCE CODE

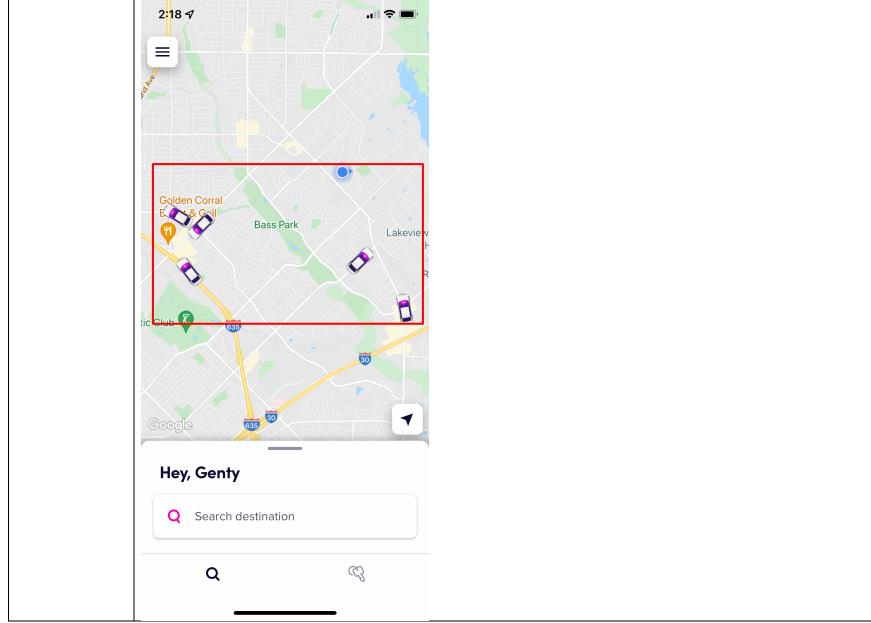
Claim -	Lyft's Accused Products
10,299,100	
wherein the	
identifier is a	
first identifier,	
and wherein the	
communication	
network	
comprises one or	
more	
communication	
devices	
corresponding,	
respectively, to	
one or more	
second vehicles,	
and wherein each	
of the one or	
more	
communication	
devices is	
associated with a	
respective	
second identifier.	
28. The system	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or
of claim 27,	contributing to the performance of: the operations further comprise: receiving, by the mobile device receiver, the
wherein the	second identifiers corresponding to one or more communication devices; and displaying, on the map displayed on
operations	the touch screen display, one or more second vehicle symbols corresponding to the second identifiers
further comprise:	corresponding to the second vehicles.
receiving, by the	
mobile device	
receiver, the	

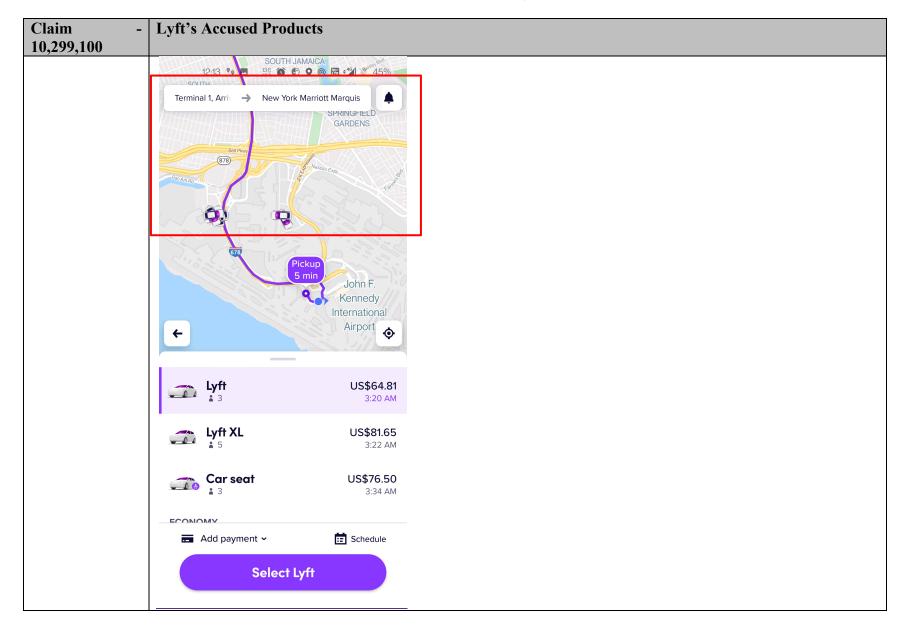
Claim -	Lyft's Accused Products
10,299,100	
second	For example, before a passenger requests for a ride, the Lyft app displays symbols corresponding to multiple
identifiers	vehicles based on their location near the passenger's location. Therefore, Lyft's servers fetch identifiers and
corresponding to	locations of the drivers and their vehicles and display the drivers as symbols on the passenger's mobile device.
one or more	
communication	
devices; and	
displaying, on	
the map	
displayed on the	
touch screen	
display, one or	
more second	
vehicle symbols	
corresponding to	
the second	
identifiers	
corresponding to	
the second	
vehicles.	

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RESTRICTED CONFIDENTIAL SOURCE CODE







Claim - 10,299,100	Lyft's Accused Products
	Further, to the extent this element is performed at least in part by Lyft's software source code, AGIS reserves the right to supplement these contentions pursuant to production of such source code by Lyft and to the extent Lyft requires additional information in accordance with P.R. 3-1 and for any other reasons.
29. The system	See Claim 12 above.
of claim 27,	
wherein the	
operations	
further comprise:	
receiving, by the	
mobile device	
receiver, the	
second	
identifiers	
corresponding to	
one or more	
communication	
devices; and	
displaying, on	
the map	
displayed on the	
touch screen	
display, one or	
more second	
vehicle symbols	
corresponding to	
the second	
identifiers	
corresponding to	
the second	
vehicles.	

Claim -	Lyft's Accused Products
10,299,100	
30. The system of claim 24, wherein: transmitting the first information to the first vehicle comprises transmitting data	The Lyft Accused Products infringe directly and/or indirectly by performing, inducing others to perform, and/or contributing to the performance of: The system of claim 24, wherein: transmitting the first information to the first vehicle comprises transmitting data to a server using an Internet Protocol; the data transmitted to the server includes the first information and a second identifier corresponding to a second network participant associated with the computing device corresponding to the first vehicle; the second information corresponding to the first vehicle is transmitted by the server to the mobile device using the Internet Protocol; and an IP address of the server is accessible to the mobile device.
to a server using an Internet Protocol; the data transmitted to the server includes the first information and	For example, Lyft's servers access passengers' and drivers' data through the Lyft app installed on the passengers' and drivers' mobile devices using an Internet Protocol. All information including but not limited to the location information and the identifier are transmitted to the Lyft servers via Internet Protocol. Lyft Driver app
a second identifier corresponding to	We've separated the passenger and driver experiences into two separate mobile apps — one exclusively for passengers (named the Lyft app) and the other exclusively for drivers (named the Lyft Driver app).
a second network participant associated with the computing device	The Lyft Driver app will eventually be standard for all drivers and required for driving. At this time, drivers can keep using the Lyft app to give rides. Don't worry! While we have some planned improvements to the Lyft Driver app, we've kept its features the same. https://help.lyft.com/hc/en-ca/articles/115013079208-Lyft-Driver-app
corresponding to the first vehicle; the second information corresponding to	

Claim - 10,299,100	Lyft's Accused Products
the first vehicle is transmitted by	What is Lyft?
the server to the mobile device using the Internet Protocol; and	Lyft is a platform that connects drivers with individuals and organizations that need rides.
an IP address of the server is	https://www.lyft.com/drive-with-lyft
accessible to the mobile device.	Further, to the extent this element is performed at least in part by Lyft's software source code, AGIS reserves the right to supplement these contentions pursuant to production of such source code by Lyft and to the extent Defendant requires additional information in accordance with P.R. 3-1 and for any other reasons.
31. The system of claim 30, wherein: the server stores	See claim 30 above.
an IP address of the computing device associated	
with the second network participant	
identified by the second identifier; and	
the server transmits the first information to	
the computing device corresponding to	

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RESTRICTED CONFIDENTIAL SOURCE CODE

Claim - 10,299,100	Lyft's Accused Products
the first vehicle	
in a message	
addressed to the	
stored IP address	
of the computing	
device	
corresponding to	
the first vehicle.	