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(54) Title: USER INTERFACES FOR CUSTOMIZED NAVIGATION ROUTES

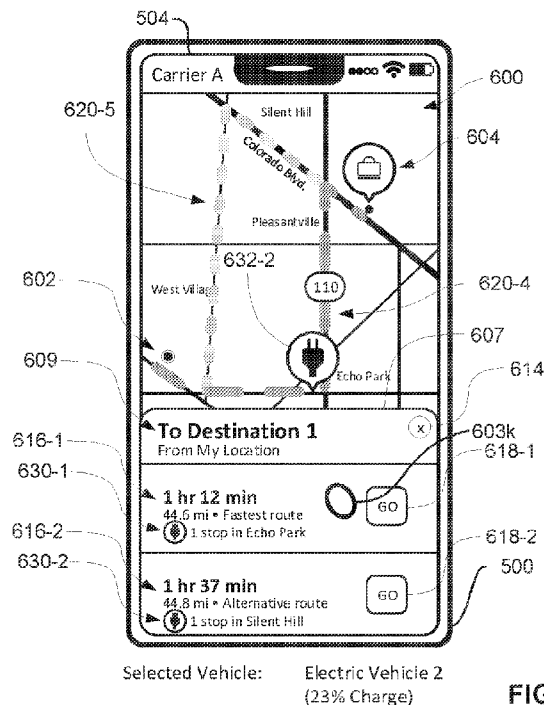


FIG. 6K

(57) Abstract: In some embodiments, an electronic device (100) displays suggested routes based on the characteristics of respective vehicles. In some embodiments, an electronic device (100) receives data for respective vehicles from a source external to the electronic device (100). In some embodiments, an electronic device (100) anonymizes a vehicle identifier and determines customized suggested routes using the anonymized vehicle identifier. In some embodiments, Starting Charge Maps and/or Buffer Maps are generated and/or utilized for route generation or suggestion.



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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2021/037124

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>EP 3 104 122 A1 (ECOLE NAT DE L'AVIATION CIVILE [FR]) 14 December 2016 (2016-12-14) abstract figures 8a-8c paragraphs [0083], [0101] claims 1-23</p> <p align="center">-----</p>	7
Y	<p>US 2013/024112 A1 (TATE JR EDWARD D [US]) 24 January 2013 (2013-01-24) abstract paragraph [0009] claims 1-15</p> <p align="center">-----</p>	11
Y	<p>EP 3 343 472 A1 (ATOS WORLDGRID SL [ES]) 4 July 2018 (2018-07-04) abstract figures 3b, 6a paragraphs [0001] - [0033] claims 1-20</p> <p align="center">-----</p>	9
Y	<p>US 5 311 434 A (TAMAI HARUHISA [JP]) 10 May 1994 (1994-05-10) abstract figures 1-11 column 2, lines 31-46 claims 1-9</p> <p align="center">-----</p>	10
X	<p>KR 2013 0033948 A (HERMESYS CO LTD [KR]) 4 April 2013 (2013-04-04) abstract paragraphs [0027] - [0032]</p> <p align="center">-----</p>	1, 18-25
X	<p>US 2016/356613 A1 (HAJJ USAMA M [US] ET AL) 8 December 2016 (2016-12-08) abstract figures 1-12</p> <p align="center">-----</p>	1, 12, 14, 18-25
X	<p>Google: "Biking Directions on Google Maps", / 10 March 2010 (2010-03-10), XP055878489, Retrieved from the Internet: URL:https://www.youtube.com/watch?v=JN5_NB Su7Lw the whole document</p> <p align="center">-----</p>	1, 12, 14, 18-25
Y	<p>US 2019/219410 A1 (BURGESS ELIZABETH A [CA] ET AL) 18 July 2019 (2019-07-18) abstract claim 1 paragraph [0065]</p> <p align="center">-----</p>	12, 13
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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2021/037124

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 2 378 249 A1 (ALPINE ELECTRONICS INC [JP]) 19 October 2011 (2011-10-19) abstract claims 9, 11, 12 paragraph [0021] -----	15, 16
Y	US 2019/178660 A1 (GREENBERG MERAV [IL] ET AL) 13 June 2019 (2019-06-13) abstract paragraph [0052] -----	17

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2021/037124

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
1-25
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims;; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8, 11, 18-25

Determining travel time related for suggested route

2. claims: 9, 10

Displaying information related to a charging stop

3. claims: 12-17

Determining route based on driving restrictions

4. claims: 26-47

Receiving vehicle characteristics from an external source

5. claims: 48-62

Generating anonymized identifier for a vehicle according to driving restrictions

6. claims: 63-79

Determining a required initial state of charge for an electric vehicle

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2021/037124

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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