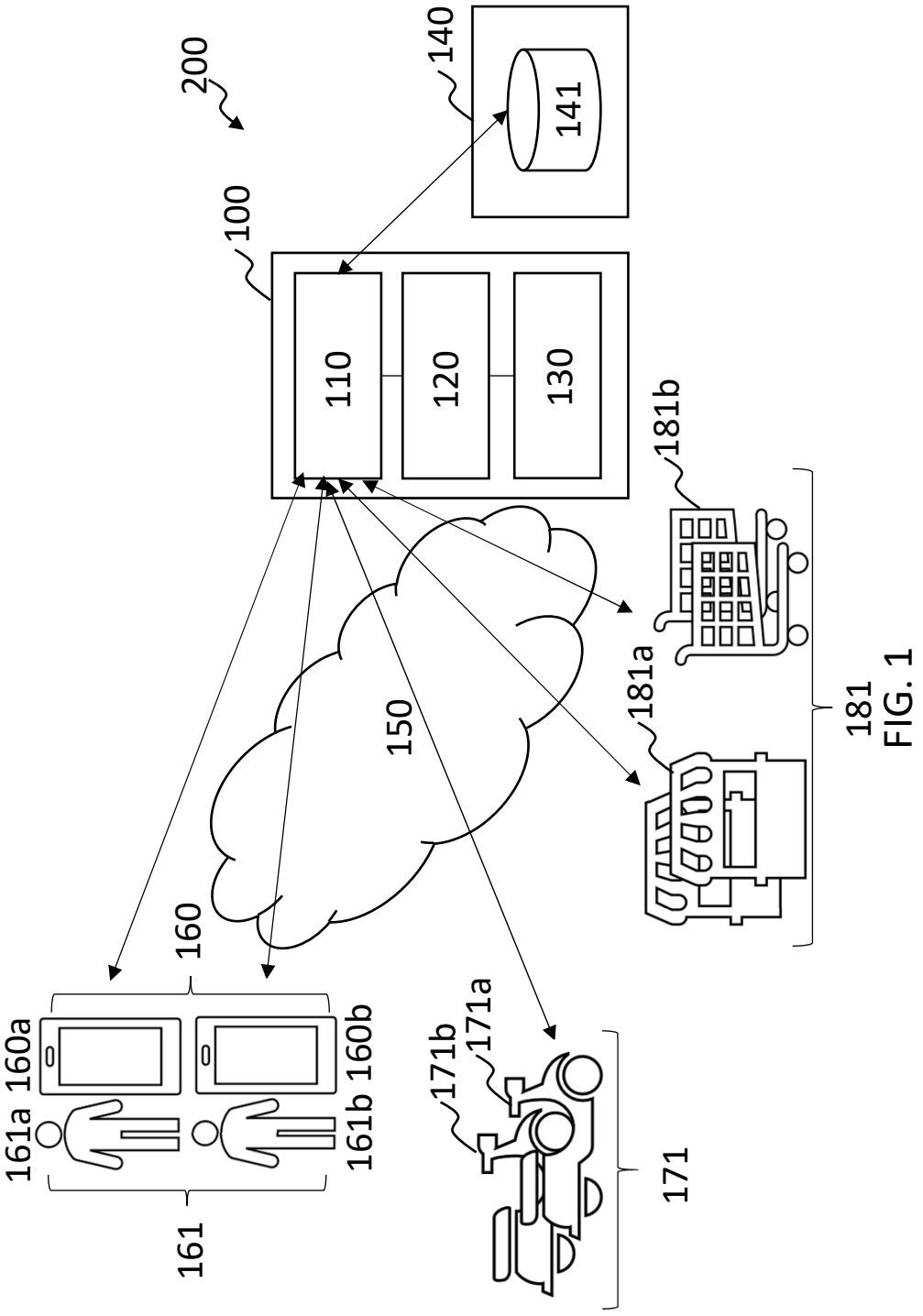
200
140
141
100
110
120
130
181b
181a
181
150
160
160a
160b
161a
161b
161
171b
171a
171

FIG. 1

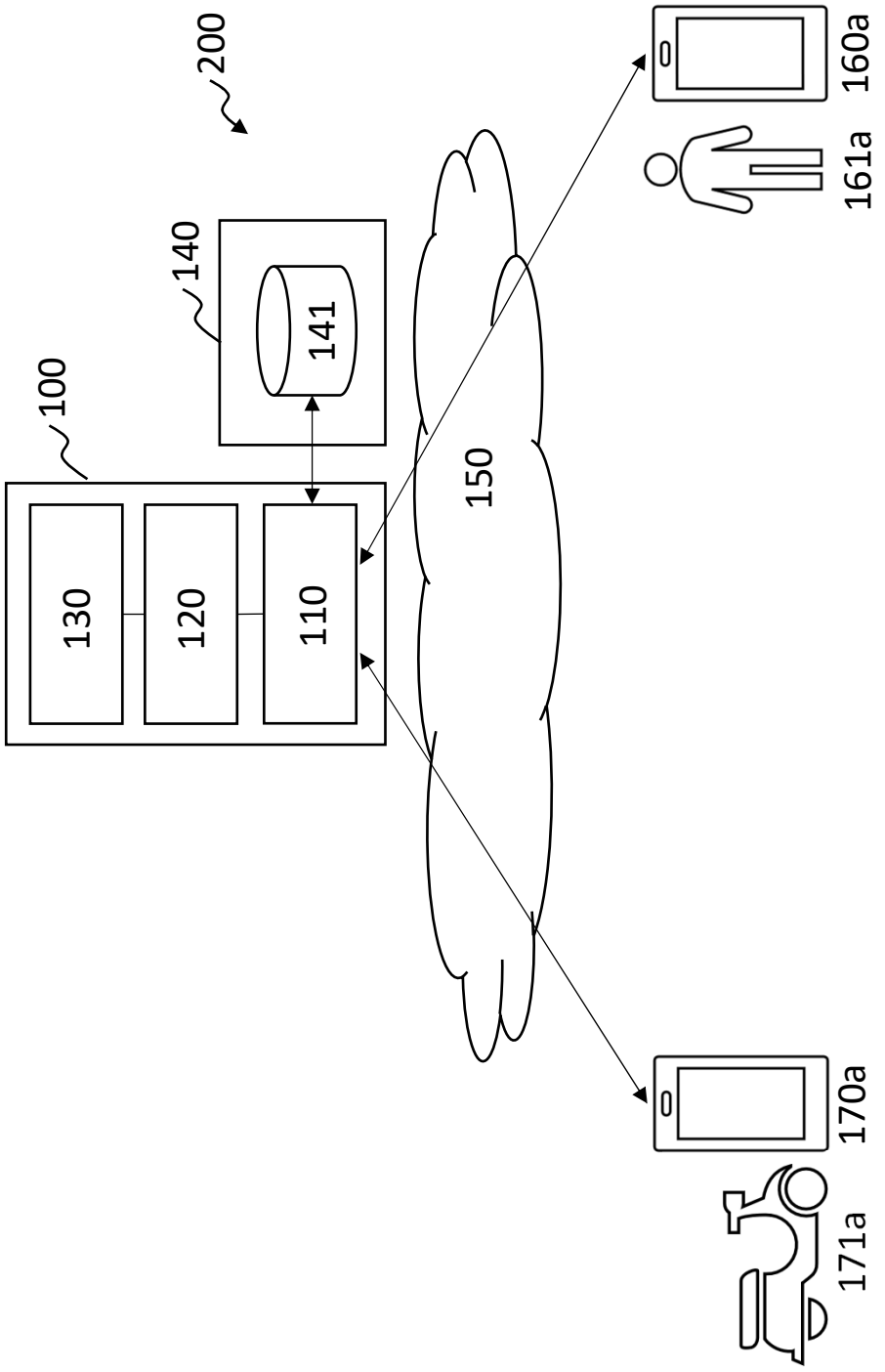

FIG. 2

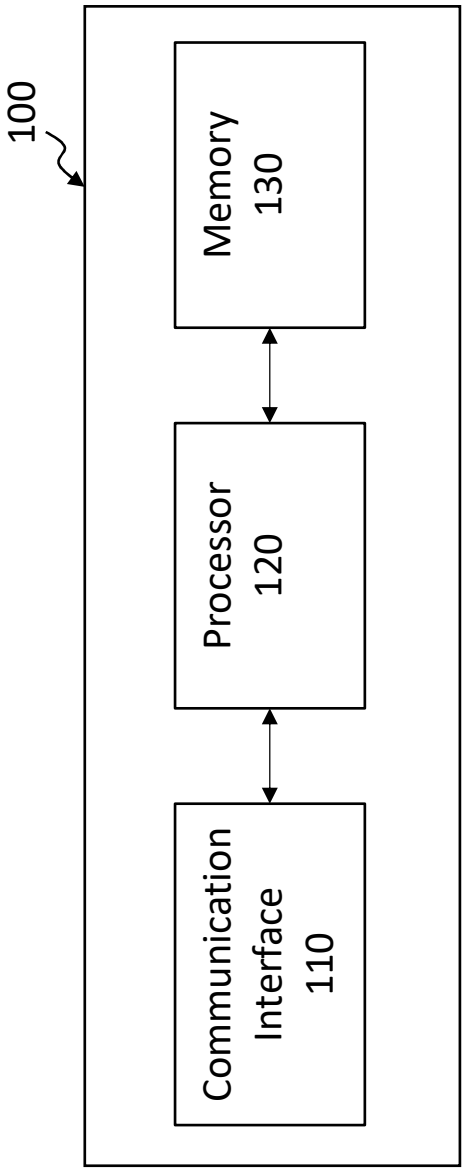

FIG. 3

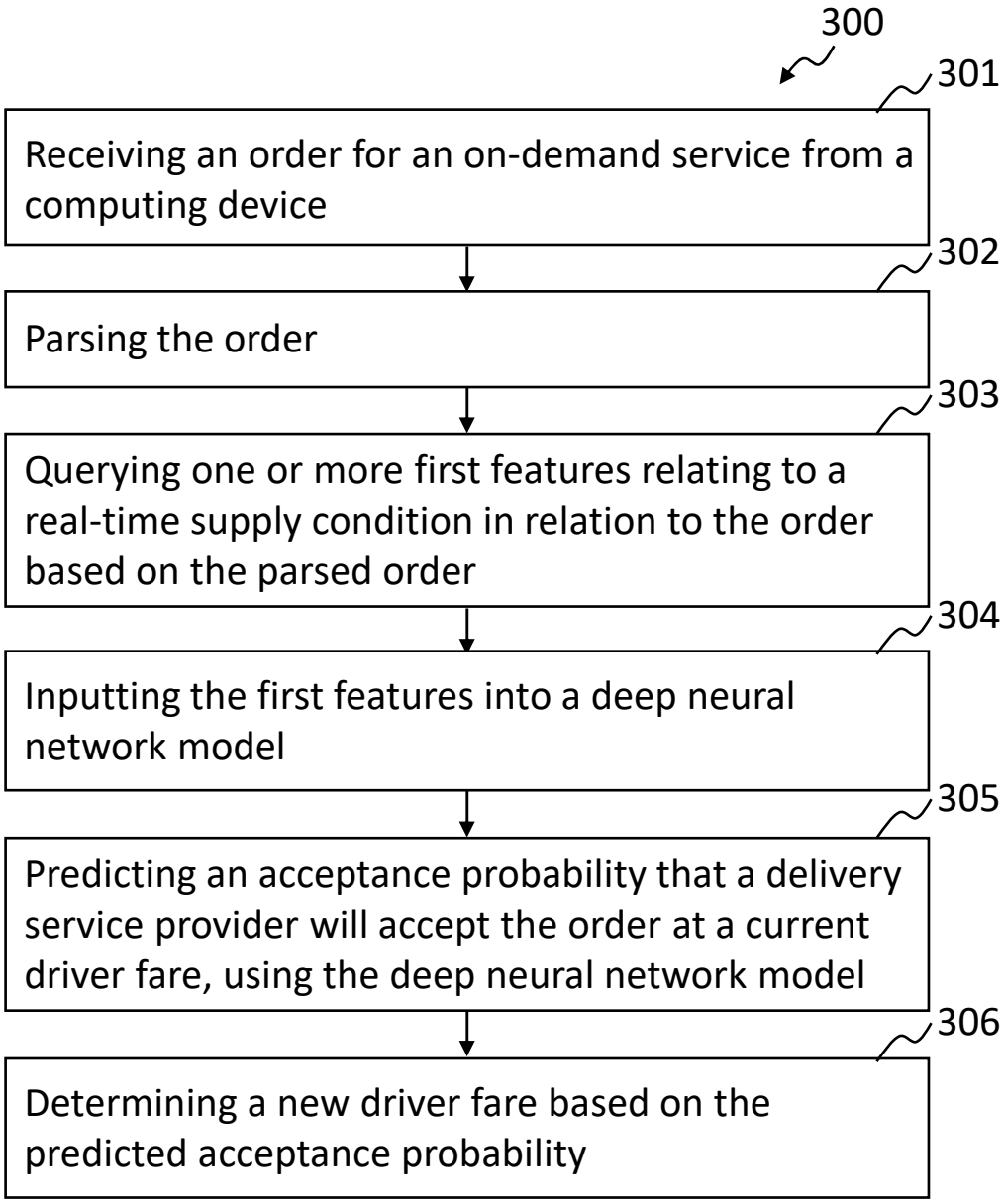
300
301
Receiving an order for an on-demand service from a computing device
302
Parsing the order
303
Querying one or more first features relating to a real-time supply condition in relation to the order based on the parsed order
304
Inputting the first features into a deep neural network model
305
Predicting an acceptance probability that a delivery service provider will accept the order at a current driver fare, using the deep neural network model
306
Determining a new driver fare based on the predicted acceptance probability

FIG. 4

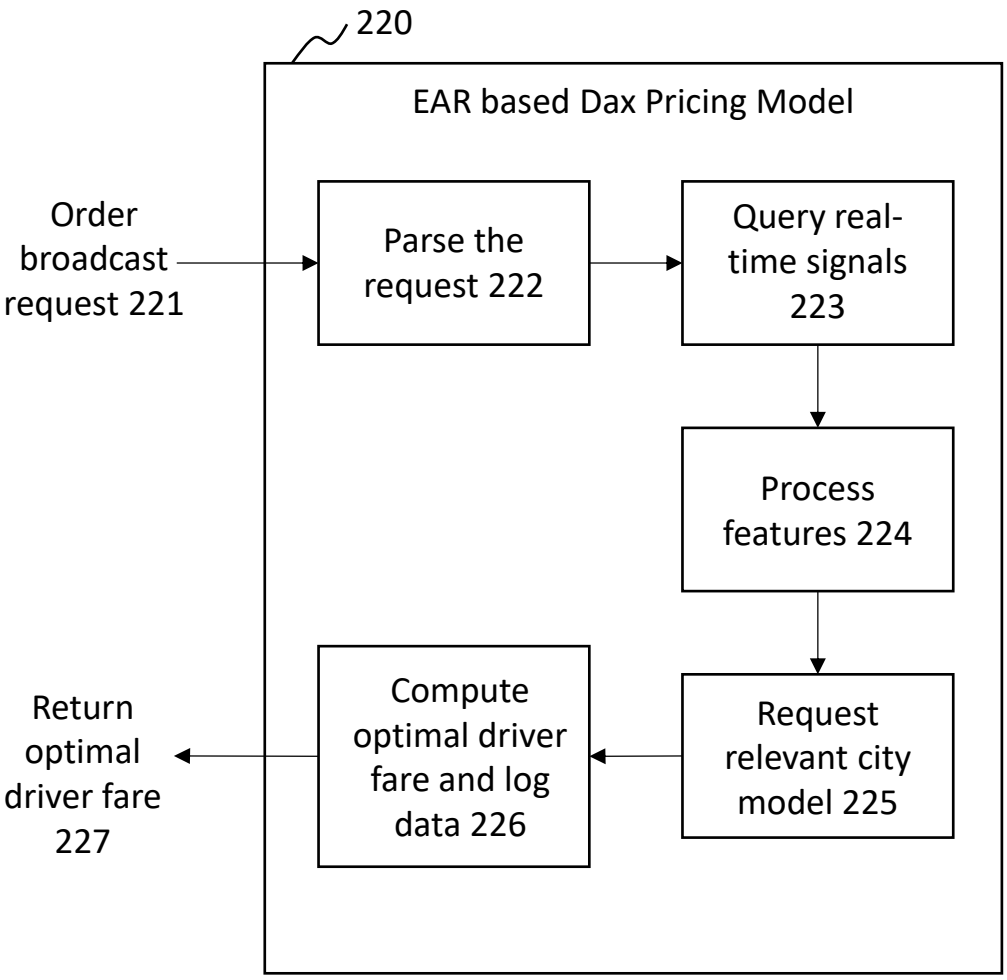
220
EAR based Dax Pricing Model
Order broadcast request 221
Parse the request 222
Query real-time signals 223
Process features 224
Request relevant city model 225
Compute optimal driver fare and log data 226
Return optimal driver fare 227

FIG. 5


Current Dax delivery driver fare
EAR target
EAR
1.0
0.8
0.6
0.4
0.2
0.0
−15
−10
−5
0
5
10
15
20
Dax delivery driver fare

FIG. 6