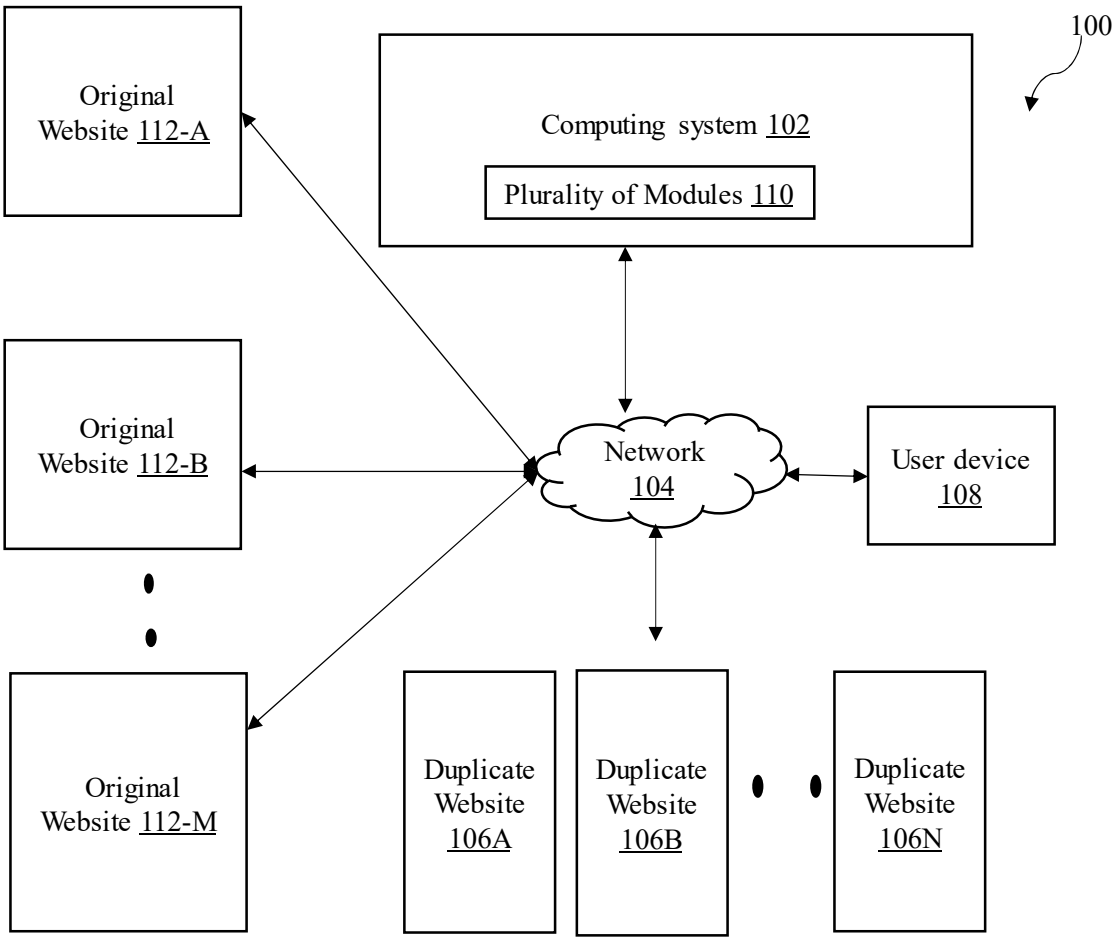

100
Original Website 112-A
Computing system 102
Plurality of Modules 110
Original Website 112-B
Network 104
User device 108
Original Website 112-M
Duplicate Website 106A
Duplicate Website 106B
Duplicate Website 106N

FIG. 1

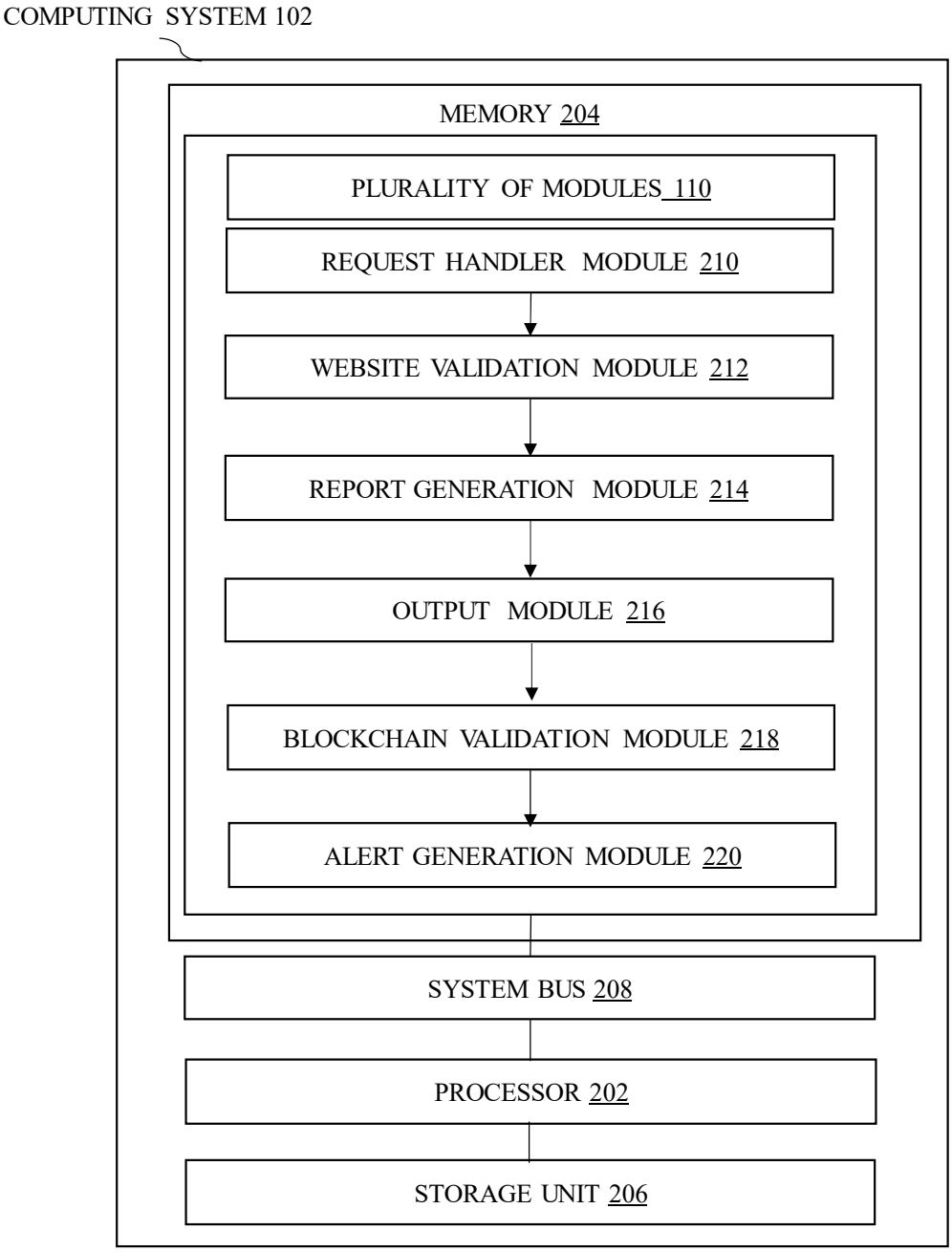

COMPUTING SYSTEM 102
MEMORY 204
PLURALITY OF MODULES 110
REQUEST HANDLER MODULE 210
WEBSITE VALIDATION MODULE 212
REPORT GENERATION MODULE 214
OUTPUT MODULE 216
BLOCKCHAIN VALIDATION MODULE 218
ALERT GENERATION MODULE 220
SYSTEM BUS 208
PROCESSOR 202
STORAGE UNIT 206

FIG. 2

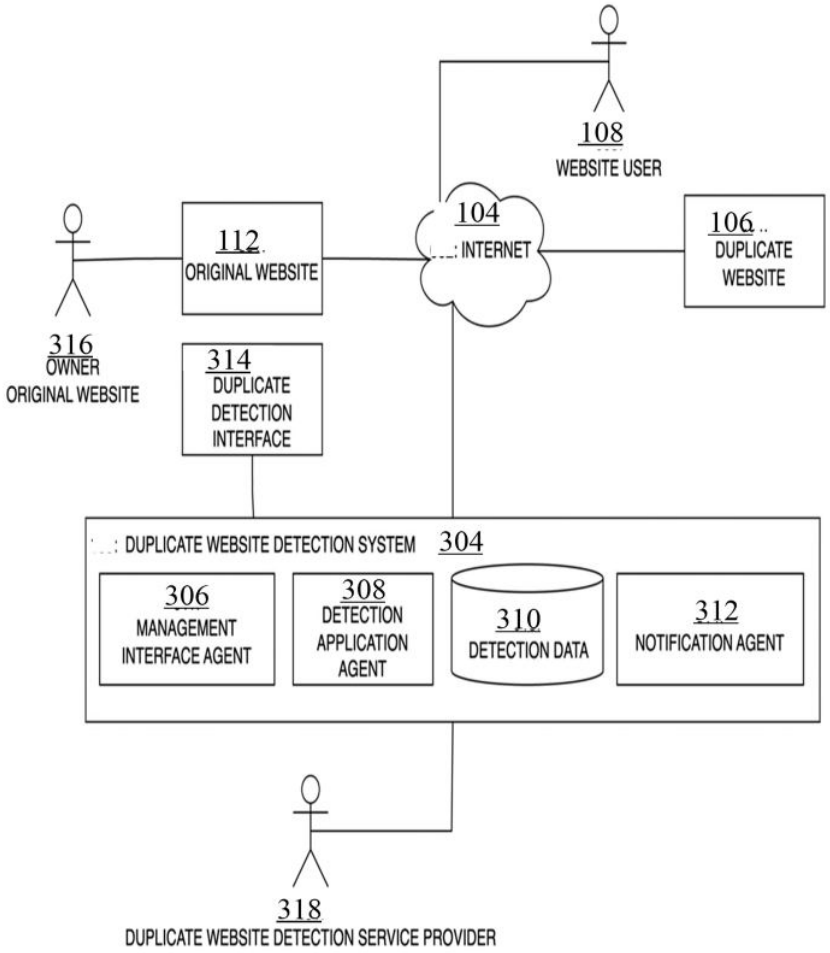

108
WEBSITE USER
104
INTERNET
106
DUPLICATE WEBSITE
112
ORIGINAL WEBSITE
316
OWNER
ORIGINAL WEBSITE
314
DUPLICATE DETECTION INTERFACE
DUPLICATE WEBSITE DETECTION SYSTEM
304
306
MANAGEMENT INTERFACE AGENT
308
DETECTION APPLICATION AGENT
310
DETECTION DATA
312
NOTIFICATION AGENT
318
DUPLICATE WEBSITE DETECTION SERVICE PROVIDER

FIG. 3A

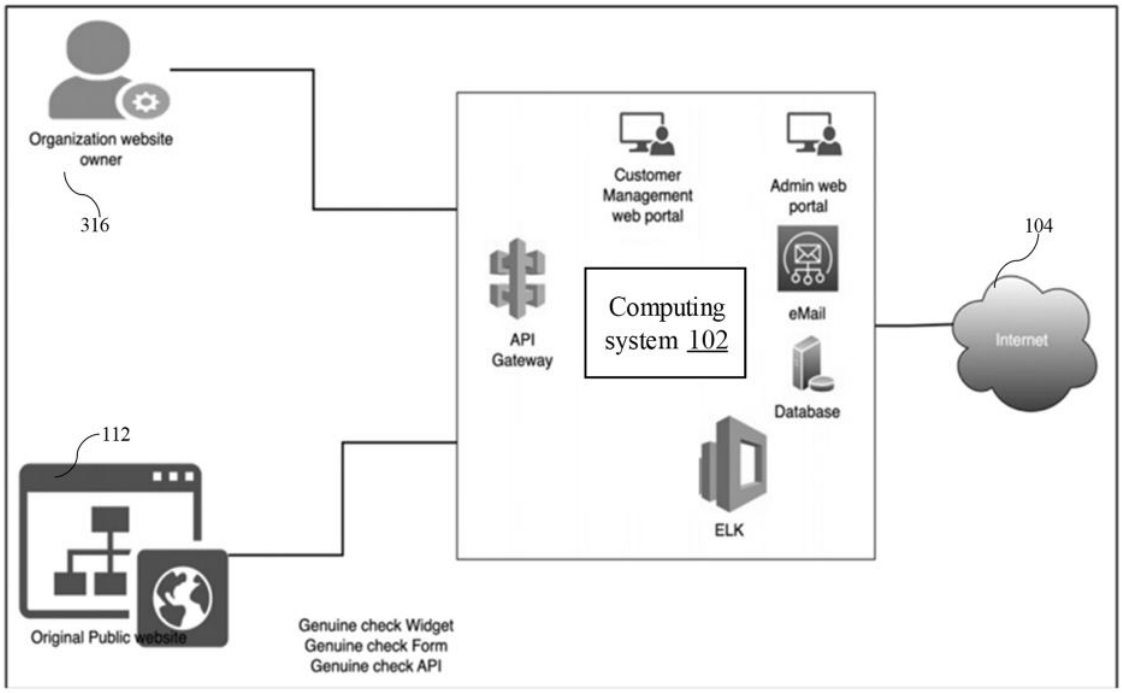

Organization website owner
316
Customer Management web portal
Admin web portal
104
API Gateway
Computing system 102
eMail
Internet
Database
112
ELK
Original Public website
Genuine check Widget
Genuine check Form
Genuine check API

FIG.3B

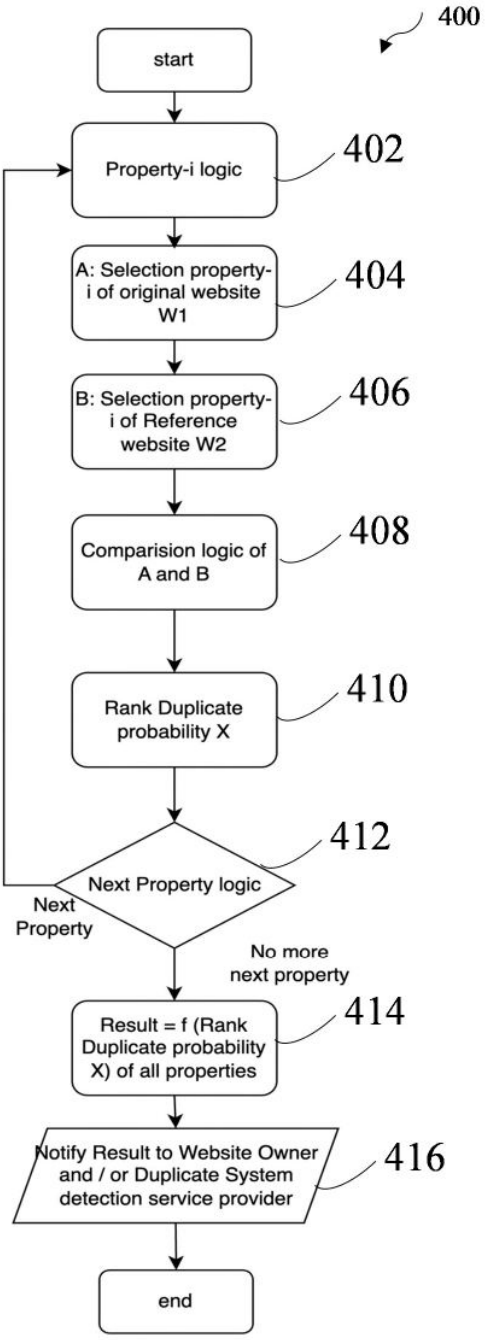

400
start
Property-i logic
402
A: Selection property-i of original website W1
404
B: Selection property-i of Reference website W2
406
Comparision logic of A and B
408
Rank Duplicate probability X
410
Next Property logic
412
Next Property
No more next property
Result = f (Rank Duplicate probability X) of all properties
414
Notify Result to Website Owner and / or Duplicate System detection service provider
416
end

FIG. 4

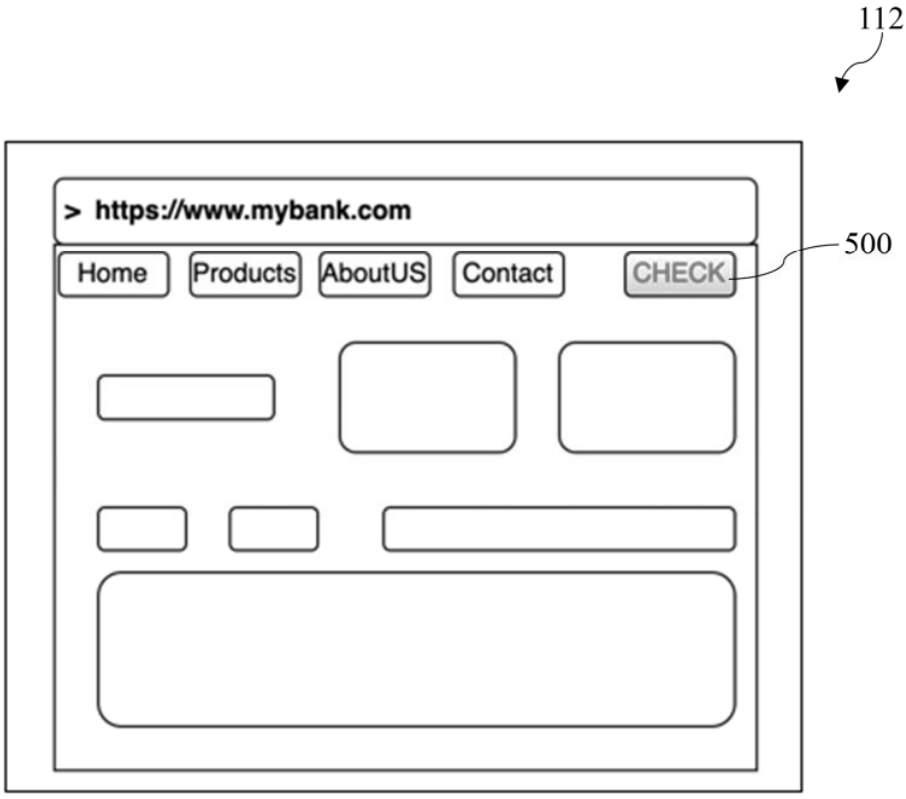

112
> https://www.mybank.com
Home
Products
AboutUS
Contact
CHECK
500

FIG. 5A-1

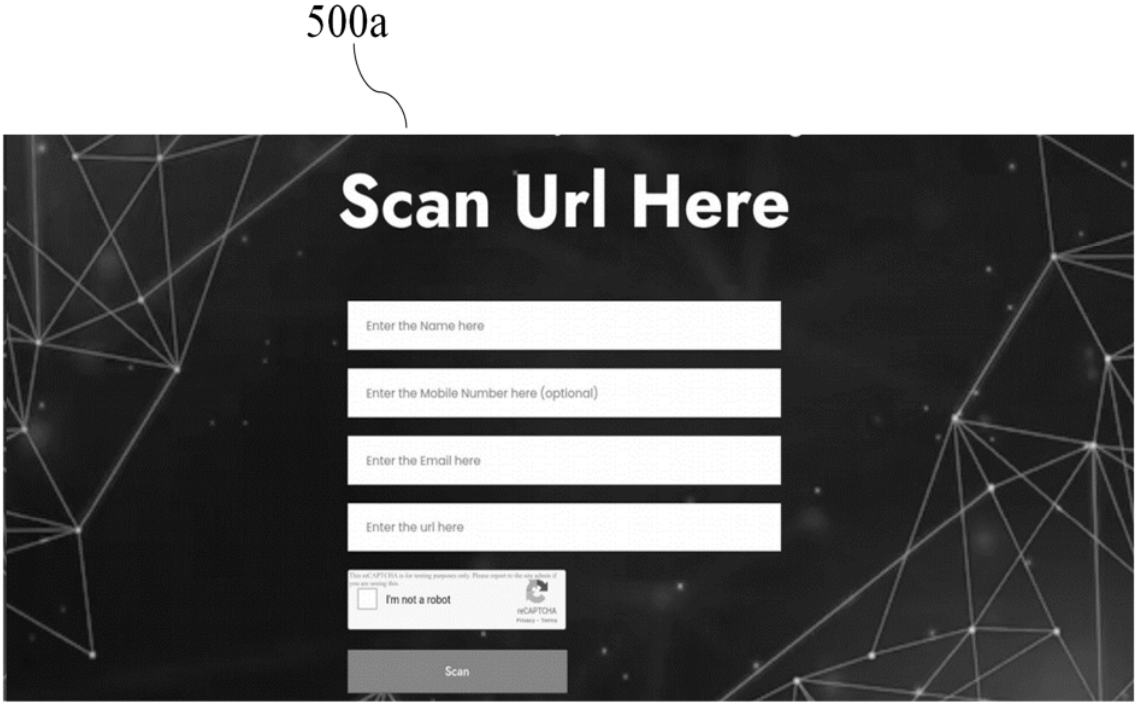

500a
Scan Url Here
Enter the Name here
Enter the Mobile Number here (optional)
Enter the Email here
Enter the url here
I'm not a robot
reCAPTCHA
Scan

FIG 5A-2

500b

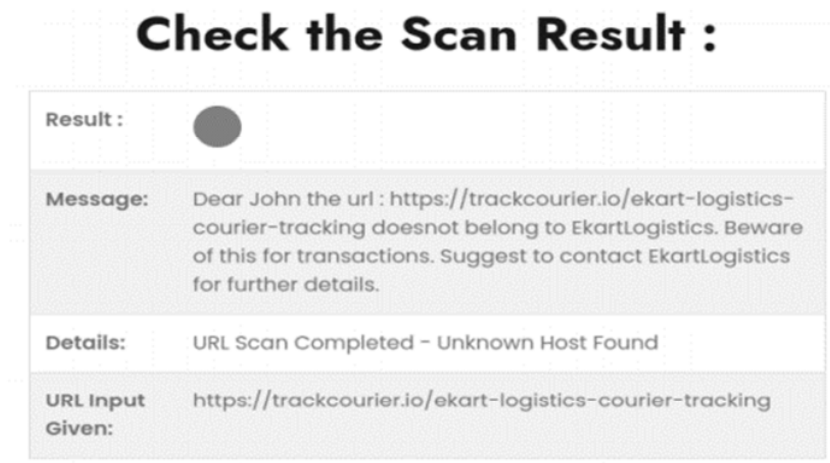

Check the Scan Result :
Result :
Message:
Dear John the url : https://trackcourier.io/ekart-logistics-courier-tracking doesnot belong to EkartLogistics. Beware of this for transactions. Suggest to contact EkartLogistics for further details.
Details:
URL Scan Completed - Unknown Host Found
URL Input Given:
https://trackcourier.io/ekart-logistics-courier-tracking

FIG. 5B

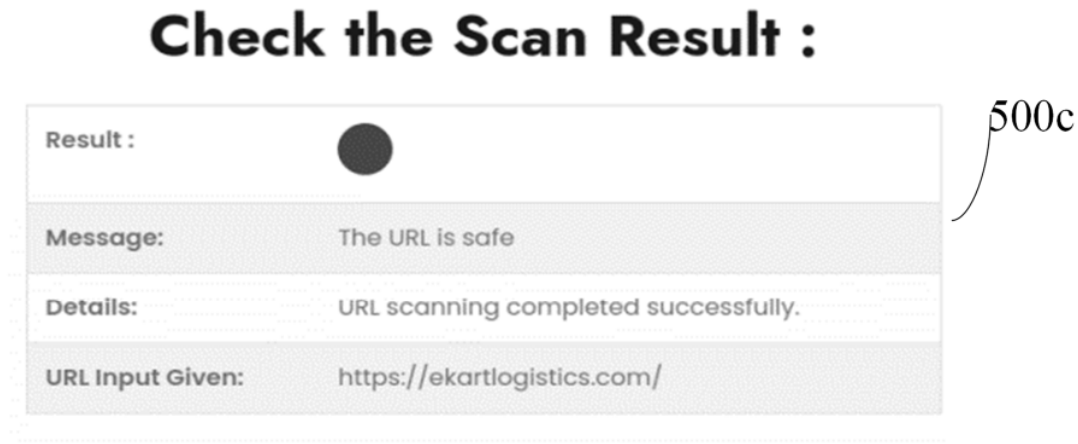

Check the Scan Result :
Result :
Message:
The URL is safe
Details:
URL scanning completed successfully.
URL Input Given:
https://ekartlogistics.com/
500c

FIG. 5C

500d

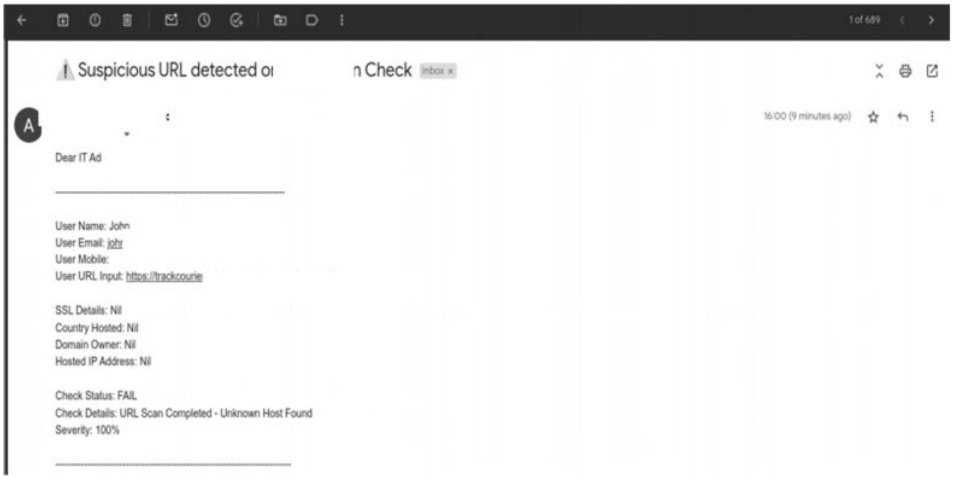

1 of 689
Suspicious URL detected o
n Check
inbox ×
16:00 (9 minutes ago)
A
Dear IT Ad
User Name: John
User Email: johr
User Mobile:
User URL Input: https://trackcourie
SSL Details: Nil
Country Hosted: Nil
Domain Owner: Nil
Hosted IP Address: Nil
Check Status: FAIL
Check Details: URL Scan Completed - Unknown Host Found
Severity: 100%

FIG. 5D

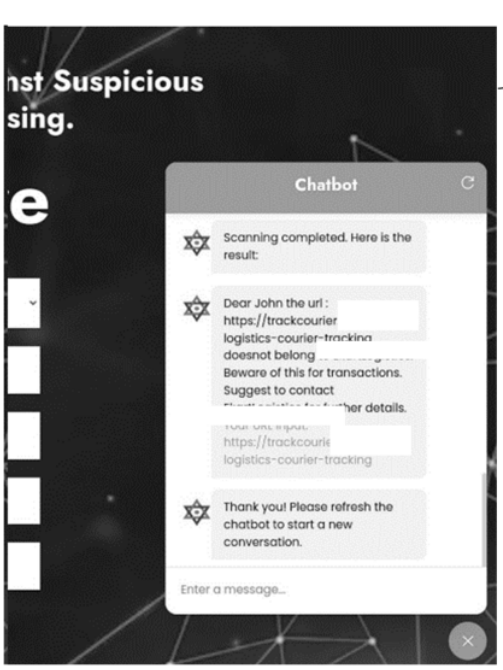

500d
nst Suspicious
sing.
e
Chatbot
Scanning completed. Here is the result:
Dear John the url :
https://trackcourier
logistics-courier-tracking
doesnot belong
Beware of this for transactions.
Suggest to contact
her details.
https://trackcouri
logistics-courier-tracking
Thank you! Please refresh the chatbot to start a new conversation.
Enter a message...

FIG. 5E

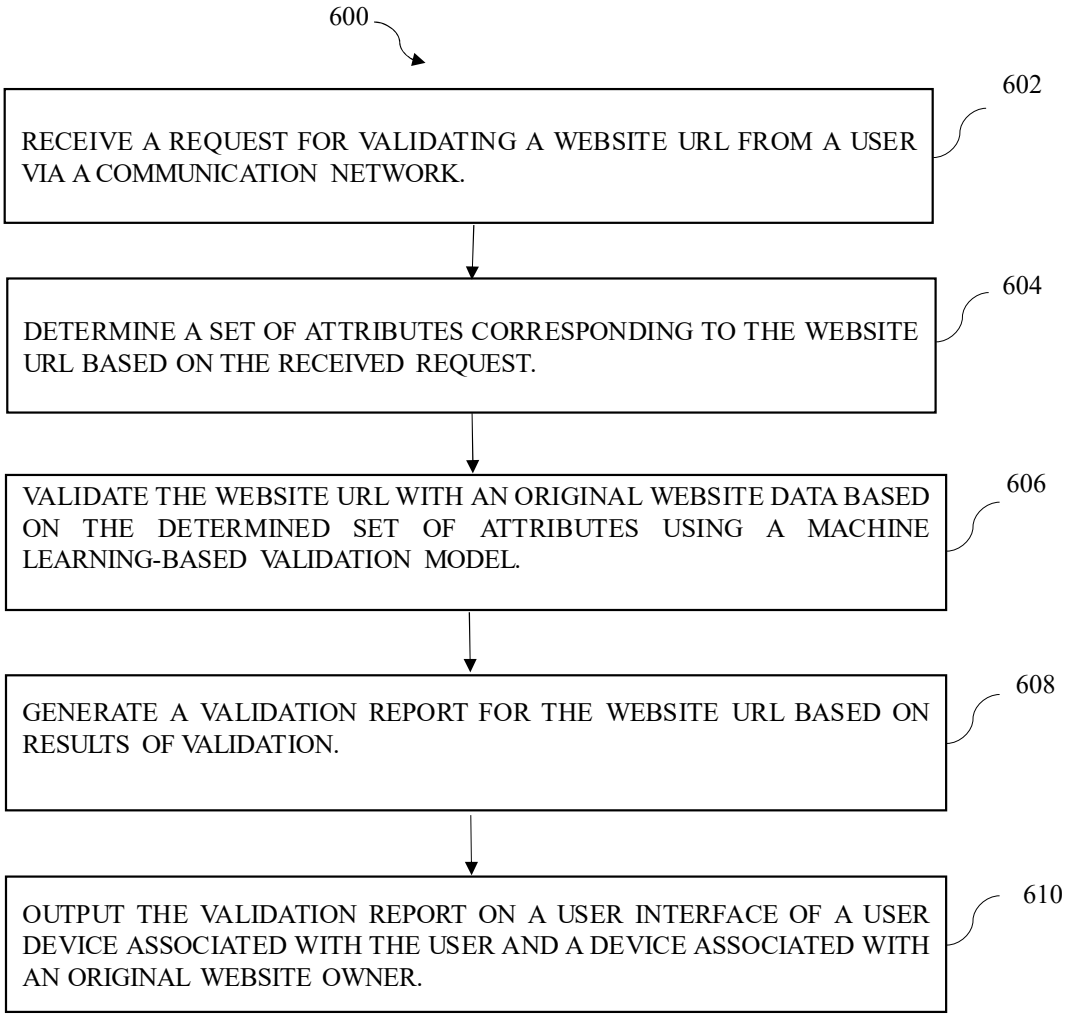

600
602
RECEIVE A REQUEST FOR VALIDATING A WEBSITE URL FROM A USER VIA A COMMUNICATION NETWORK.
604
DETERMINE A SET OF ATTRIBUTES CORRESPONDING TO THE WEBSITE URL BASED ON THE RECEIVED REQUEST.
606
VALIDATE THE WEBSITE URL WITH AN ORIGINAL WEBSITE DATA BASED ON THE DETERMINED SET OF ATTRIBUTES USING A MACHINE LEARNING-BASED VALIDATION MODEL.
608
GENERATE A VALIDATION REPORT FOR THE WEBSITE URL BASED ON RESULTS OF VALIDATION.
610
OUTPUT THE VALIDATION REPORT ON A USER INTERFACE OF A USER DEVICE ASSOCIATED WITH THE USER AND A DEVICE ASSOCIATED WITH AN ORIGINAL WEBSITE OWNER.

FIG. 6