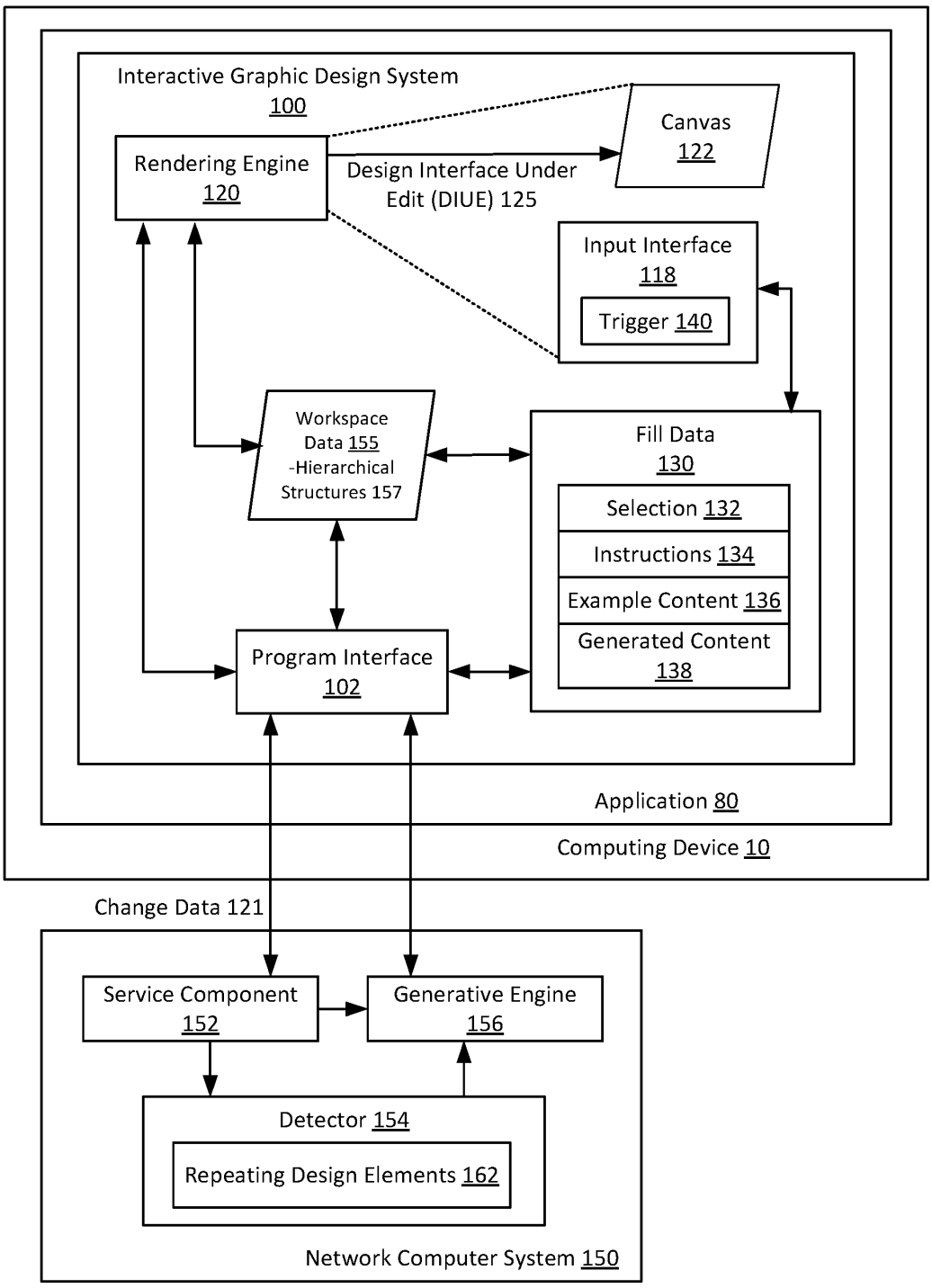

Interactive Graphic Design System
100
Rendering Engine
120
Canvas
122
Design Interface Under
Edit (DIUE) 125
Input Interface
118
Trigger 140
Workspace
Data 155
-Hierarchical
Structures 157
Fill Data
130
Selection 132
Instructions 134
Example Content 136
Generated Content
138
Program Interface
102
Application 80
Computing Device 10
Change Data 121
Service Component
152
Generative Engine
156
Detector 154
Repeating Design Elements 162
Network Computer System 150

FIG. 1

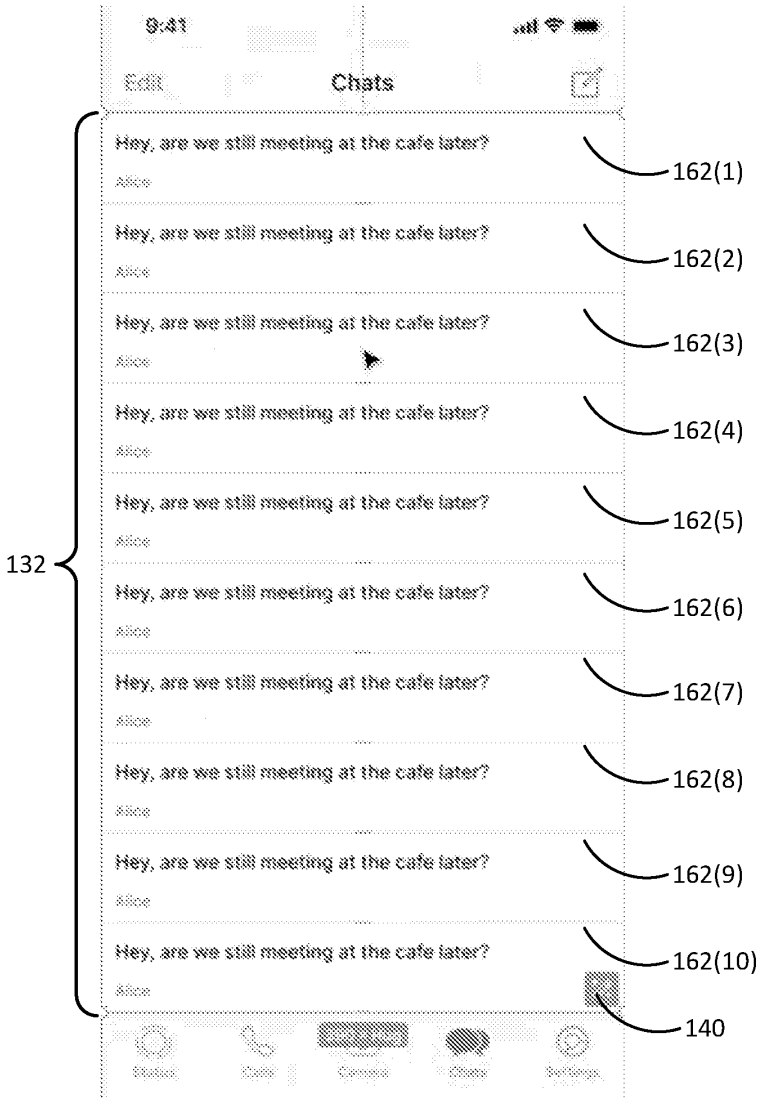

9:41
Edit
Chats
Hey, are we still meeting at the cafe later?
Alice
132
162(1)
162(2)
162(3)
162(4)
162(5)
162(6)
162(7)
162(8)
162(9)
162(10)
140

FIG. 2A

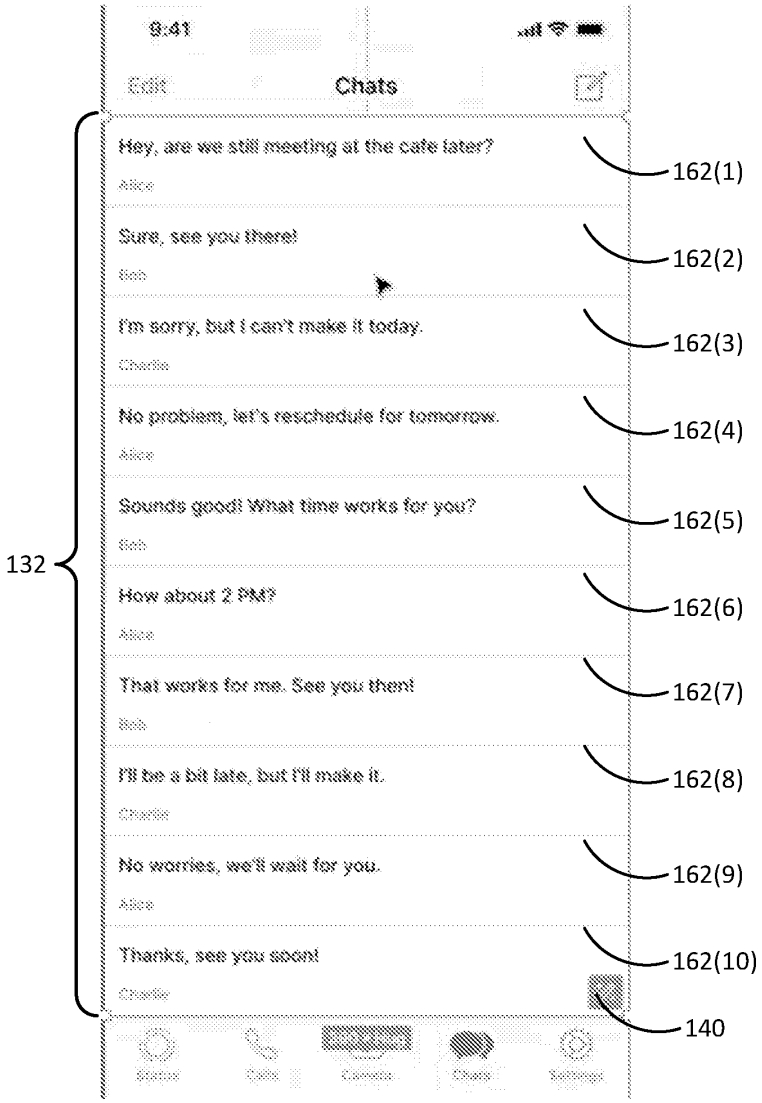

9:41
Edit
Chats
Hey, are we still meeting at the cafe later?
Alice
Sure, see you there!
Bob
I'm sorry, but I can't make it today.
Charlie
No problem, let's reschedule for tomorrow.
Alice
Sounds good! What time works for you?
Bob
How about 2 PM?
Alice
That works for me. See you then!
Bob
I'll be a bit late, but I'll make it.
Charlie
No worries, we'll wait for you.
Alice
Thanks, see you soon!
Charlie
132
162(1)
162(2)
162(3)
162(4)
162(5)
162(6)
162(7)
162(8)
162(9)
162(10)
140

FIG. 2B

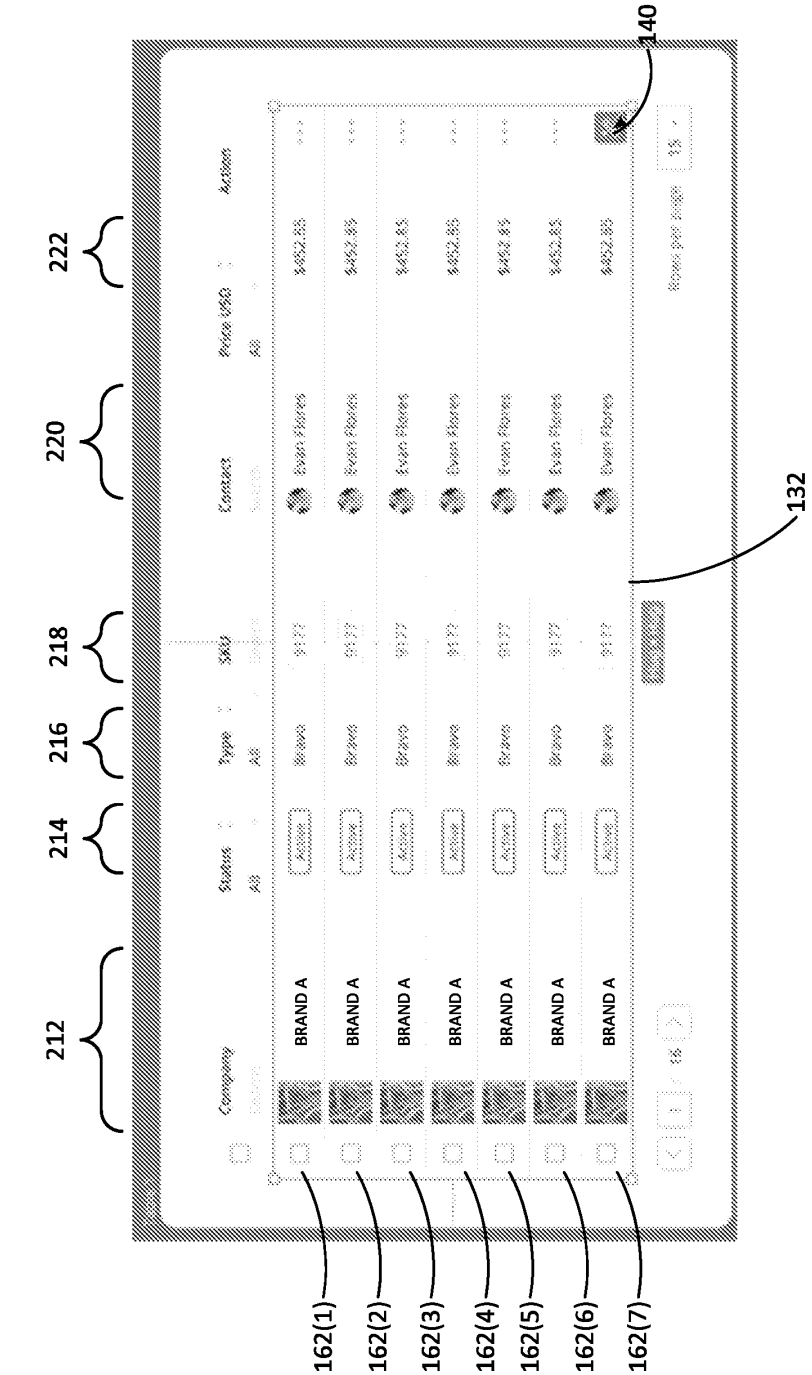

140
132
212
214
216
218
220
222
BRAND A
162(1)
162(2)
162(3)
162(4)
162(5)
162(6)
162(7)

FIG. 2C

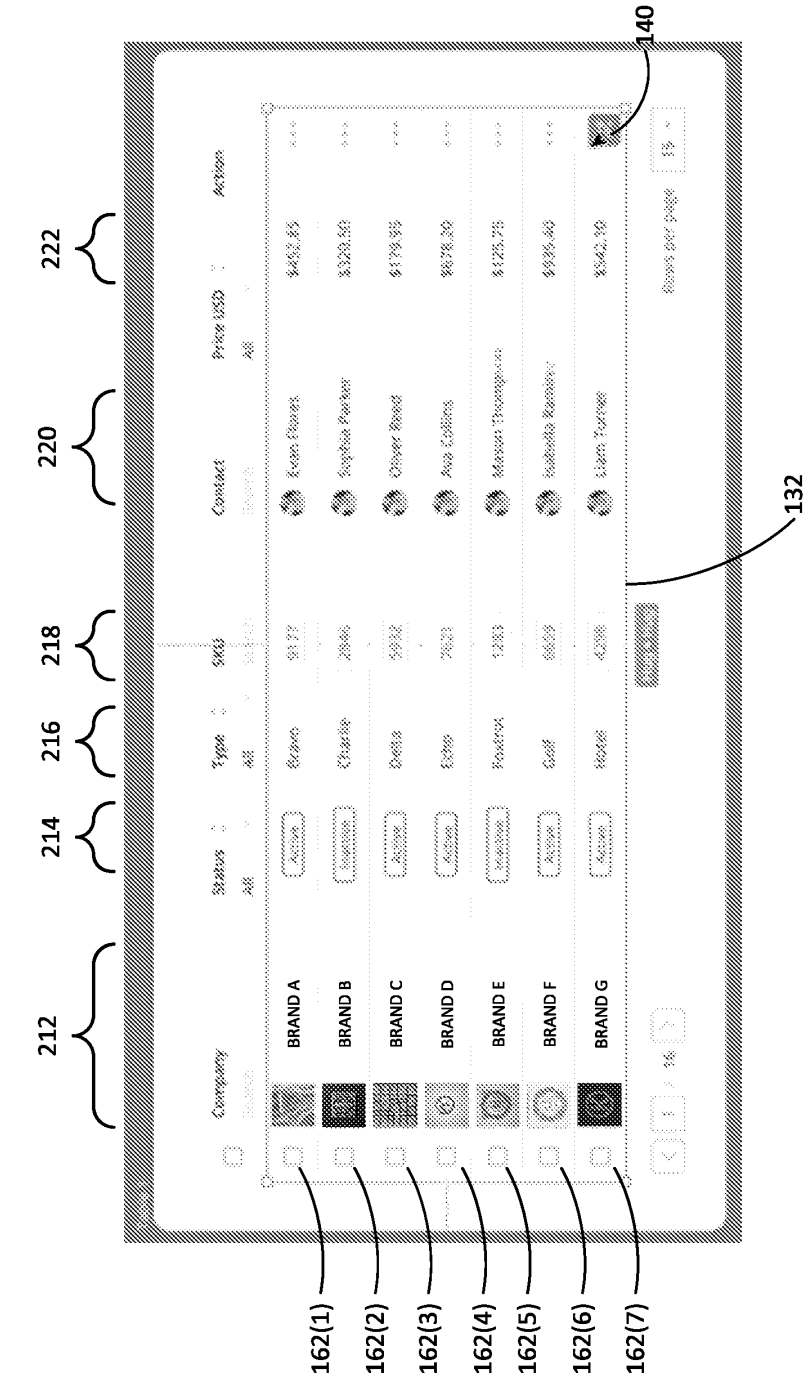

140
132
212
214
216
218
220
222
BRAND A
BRAND B
BRAND C
BRAND D
BRAND E
BRAND F
BRAND G
162(1)
162(2)
162(3)
162(4)
162(5)
162(6)
162(7)

FIG. 2D

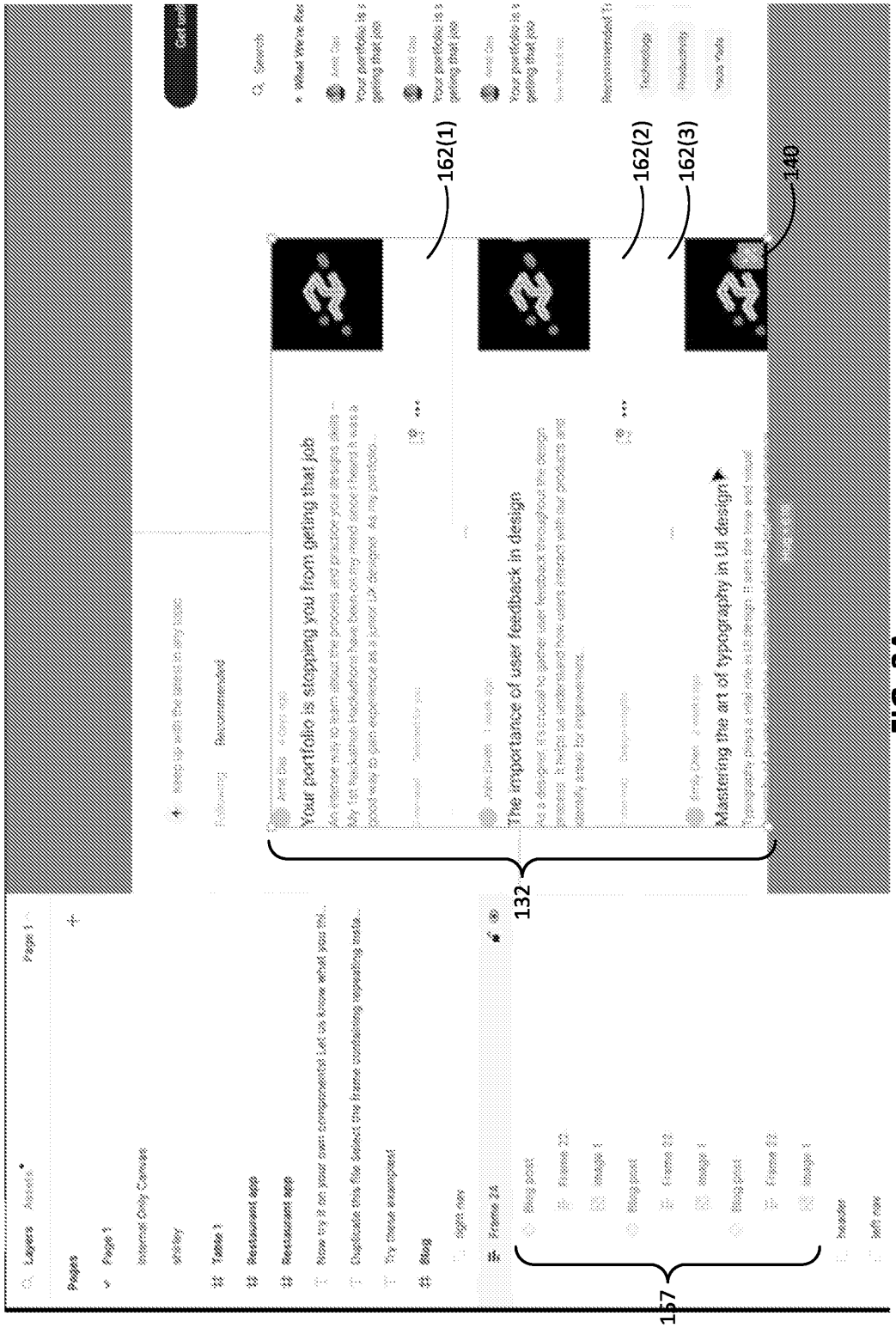


FIG. 3A

System
You are a creative and detail-oriented AI assistant inside of Figma helping product designers fill in properties of component instances.
You will be given a list of an array of components.
Your task is to continue the list with 3 new items matching the format of the items already in the list.
Return the completed JSON list and nothing else, as the output will be parsed by a JSON parser before being shown to the user.
User
Please make sure that:
- List items are realistic and mimic the style and tone of the input.
- Values match the fields of the previous values & the input.
- You DO NOT generate Lorem Ipsum text.
Following these instructions is extremely important to my career.
User
Output
JSON
[{
"TEXT_LAYER_1": "Sarah Johnson",
"TEXT_LAYER_2": "Marketing Manager",
"TEXT_LAYER_3": "ABC Electronics",
"TEXT_LAYER_4": "sarah.johnson@abc-electronics.com"
},
{
"TEXT_LAYER_1": "John Smith",
"TEXT_LAYER_2": "Product Designer",
"TEXT_LAYER_3": "XYZ Design Studio",
"TEXT_LAYER_4": "john.smith@xyzdesignstudio.com"
},
{
"TEXT_LAYER_1": "Emily Davis",
"TEXT_LAYER_2": "UX Researcher",
"TEXT_LAYER_3": "PQR Innovations",
"TEXT_LAYER_4": "emily.davis@pqrinnovations.com"
},
{
"TEXT_LAYER_1": "Michael Wilson",
"TEXT_LAYER_2": "Software Engineer",
"TEXT_LAYER_3": "Tech Solutions",
"TEXT_LAYER_4": "michael.wilson@techsolutions.com"
}]
134(1)
134(2)
136
138

FIG. 3B

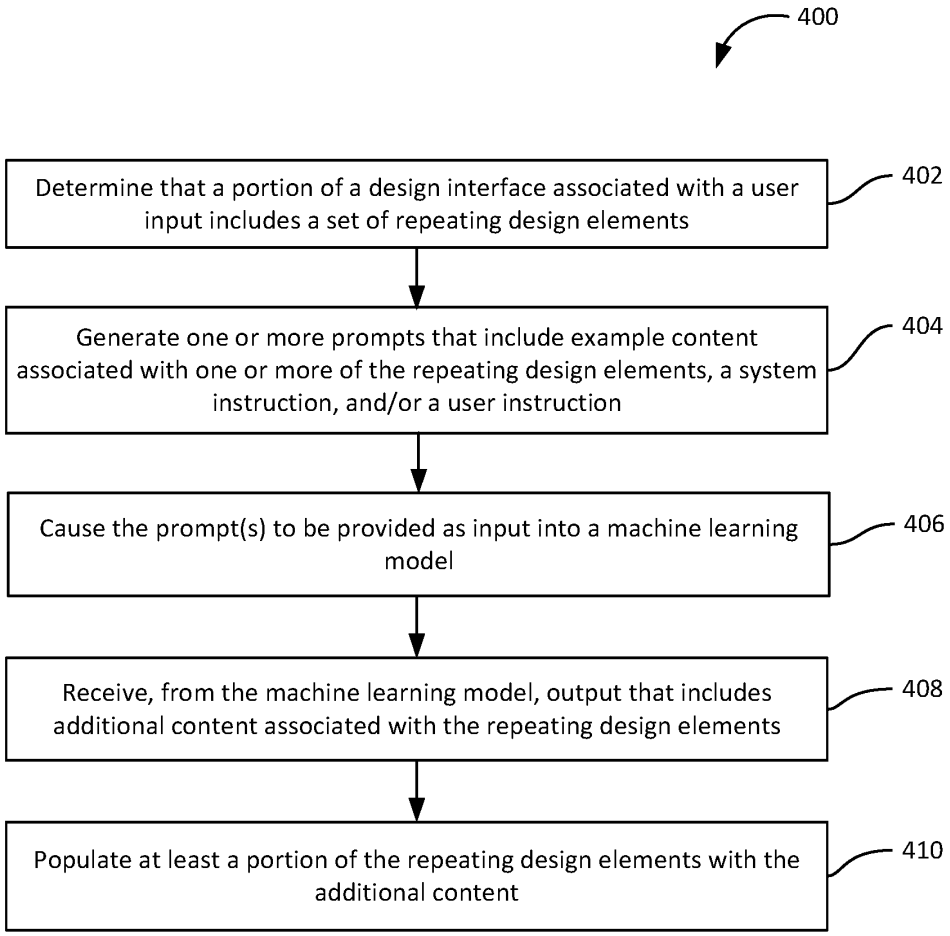

400
Determine that a portion of a design interface associated with a user input includes a set of repeating design elements
402
Generate one or more prompts that include example content associated with one or more of the repeating design elements, a system instruction, and/or a user instruction
404
Cause the prompt(s) to be provided as input into a machine learning model
406
Receive, from the machine learning model, output that includes additional content associated with the repeating design elements
408
Populate at least a portion of the repeating design elements with the additional content
410

FIG. 4

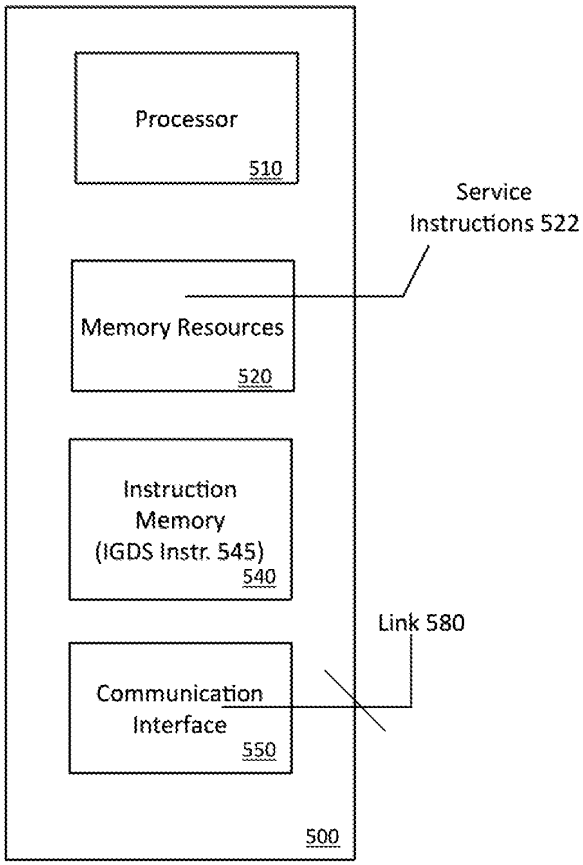

Processor
510
Service
Instructions 522
Memory Resources
520
Instruction
Memory
(IGDS Instr. 545)
540
Link 580
Communication
Interface
550
500

FIG. 5

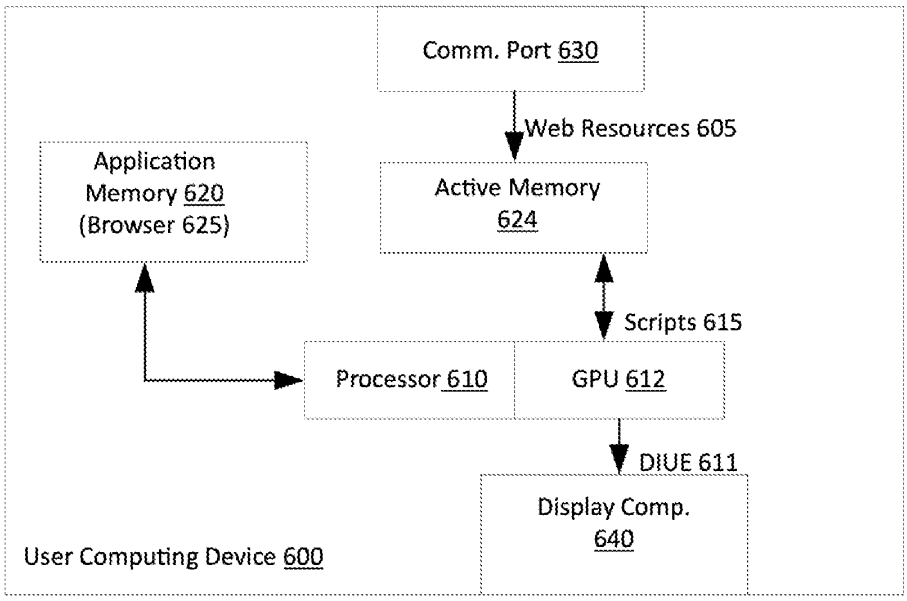

Comm. Port 630
Web Resources 605
Application Memory 620 (Browser 625)
Active Memory 624
Scripts 615
Processor 610
GPU 612
DIUE 611
Display Comp. 640
User Computing Device 600

FIG. 6