Figure 1

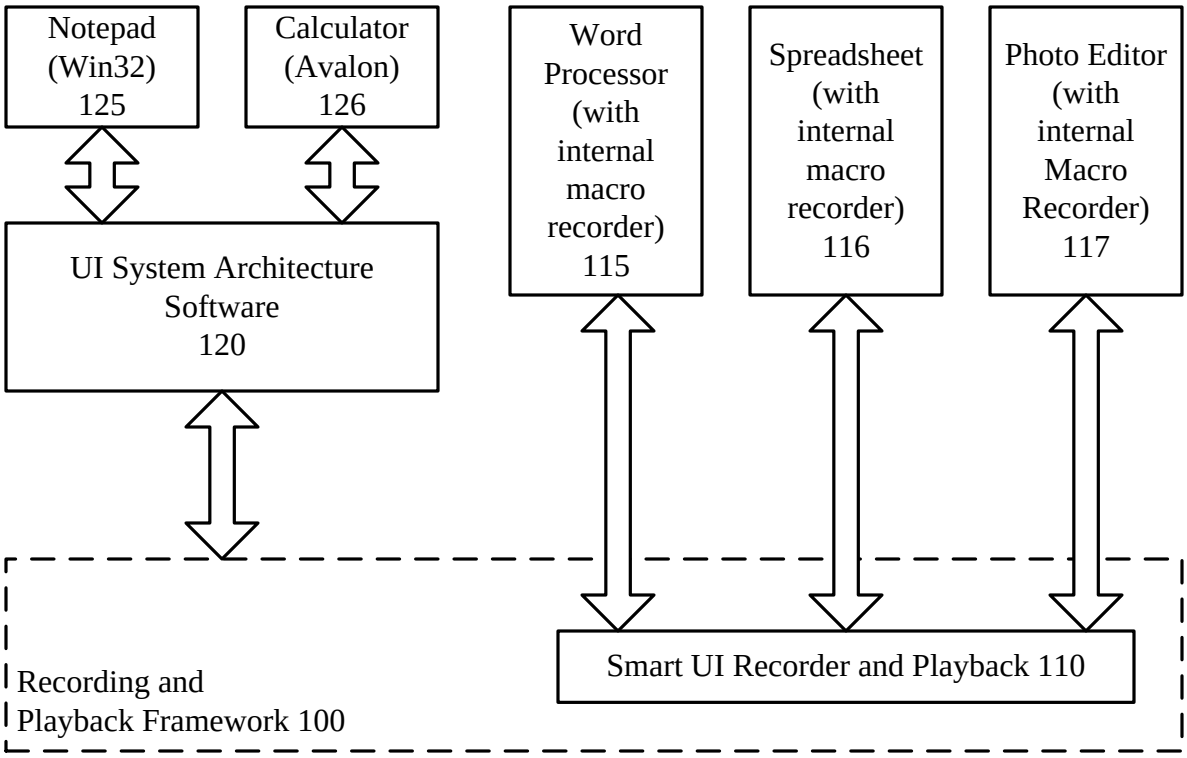

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Photo Editor (with internal Macro Recorder) 117
UI System Architecture Software 120
Smart UI Recorder and Playback 110
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Figure 2

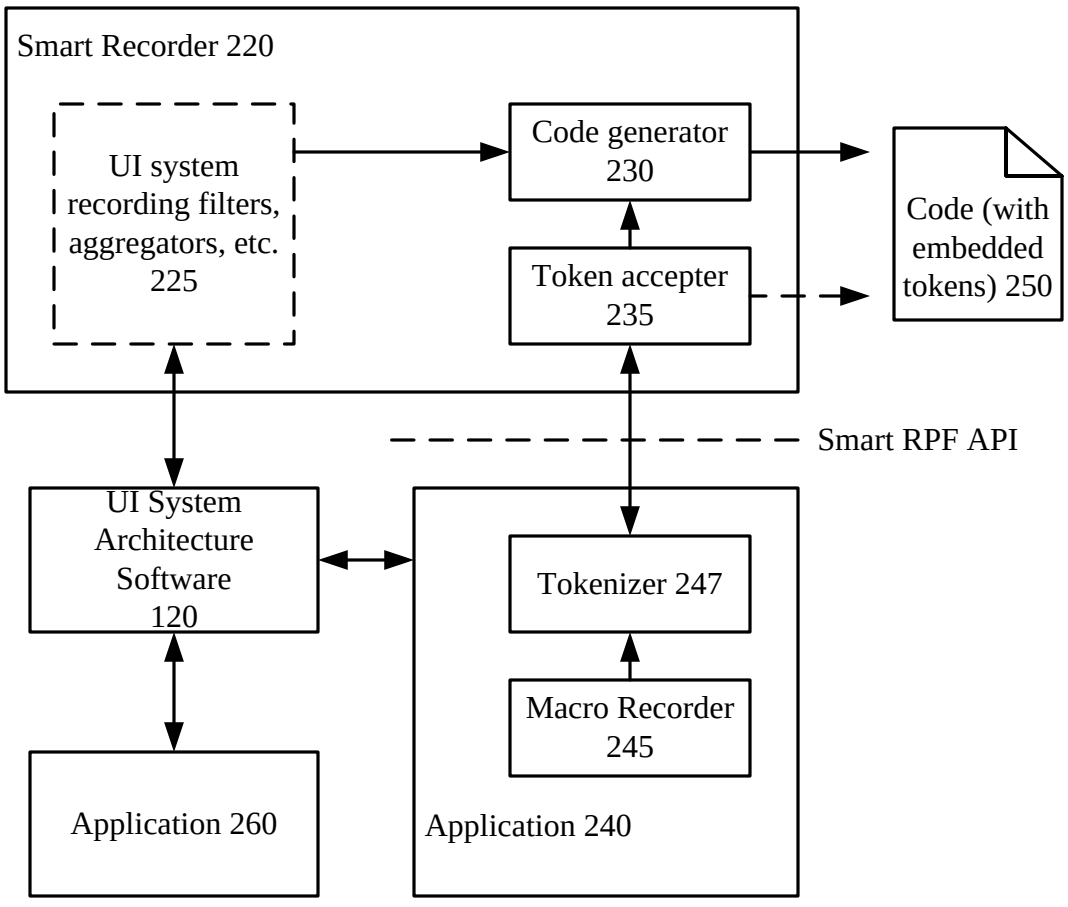

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Token accepter 235
Code (with embedded tokens) 250
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UI System Architecture Software 120
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Figure 3

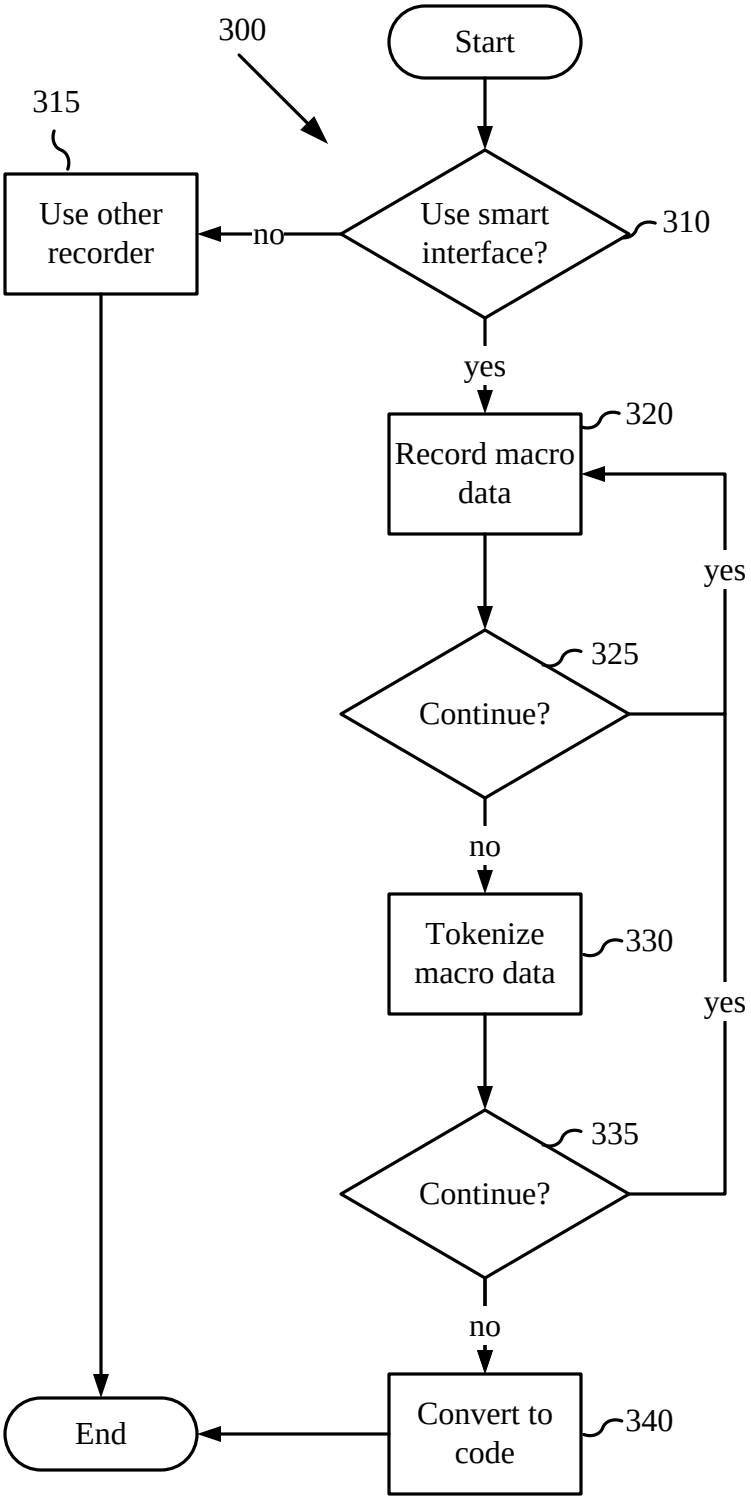

300
Start
315
Use other recorder
no
Use smart interface?
310
yes
320
Record macro data
yes
325
Continue?
no
Tokenize macro data
330
yes
335
Continue?
no
End
Convert to code
340

Figure 4

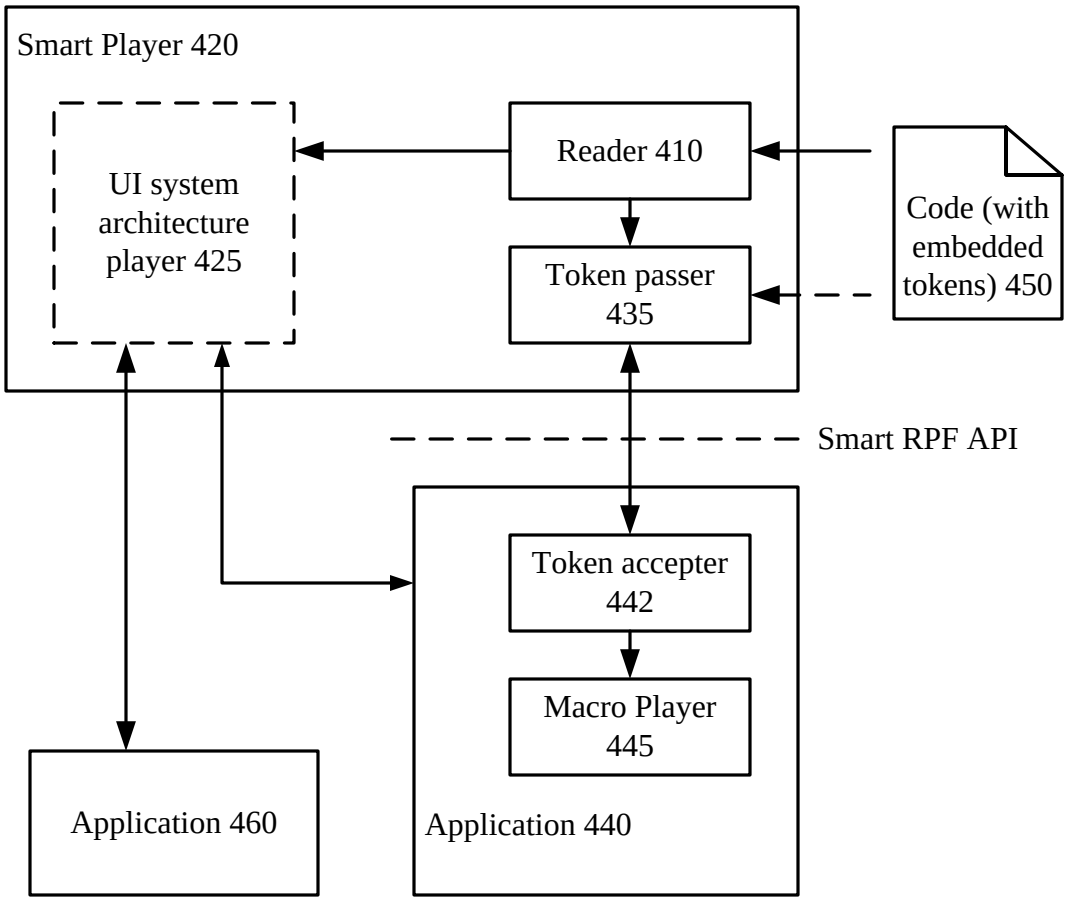

Smart Player 420
UI system architecture player 425
Reader 410
Token passer 435
Code (with embedded tokens) 450
Smart RPF API
Token accepter 442
Macro Player 445
Application 460
Application 440

Figure 5

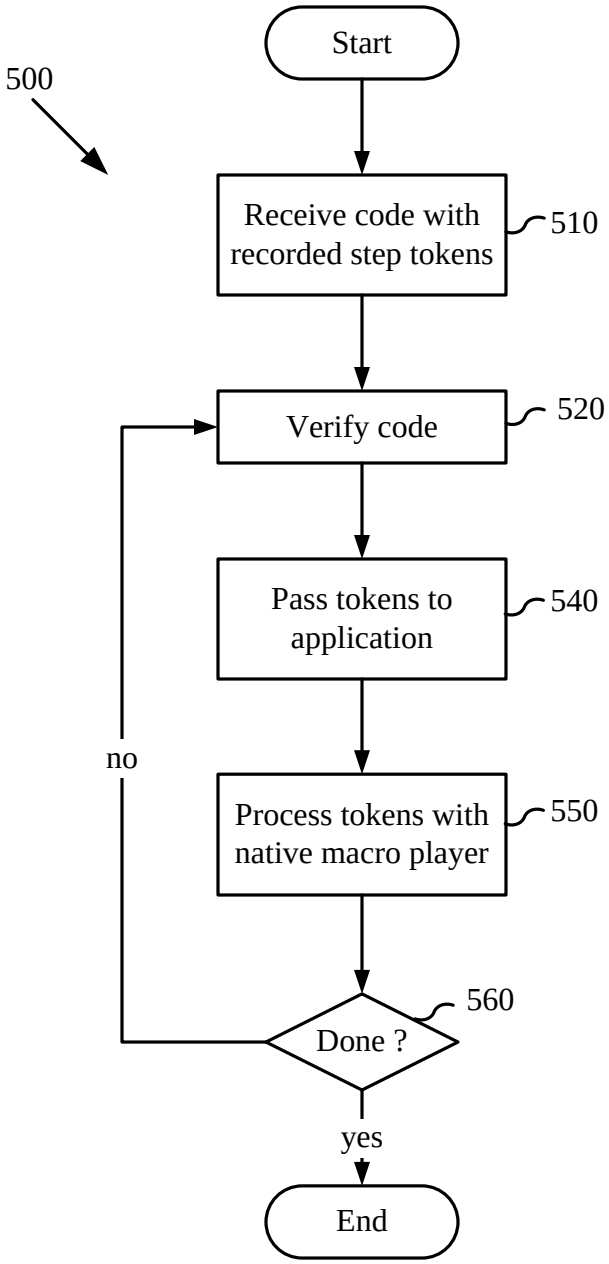
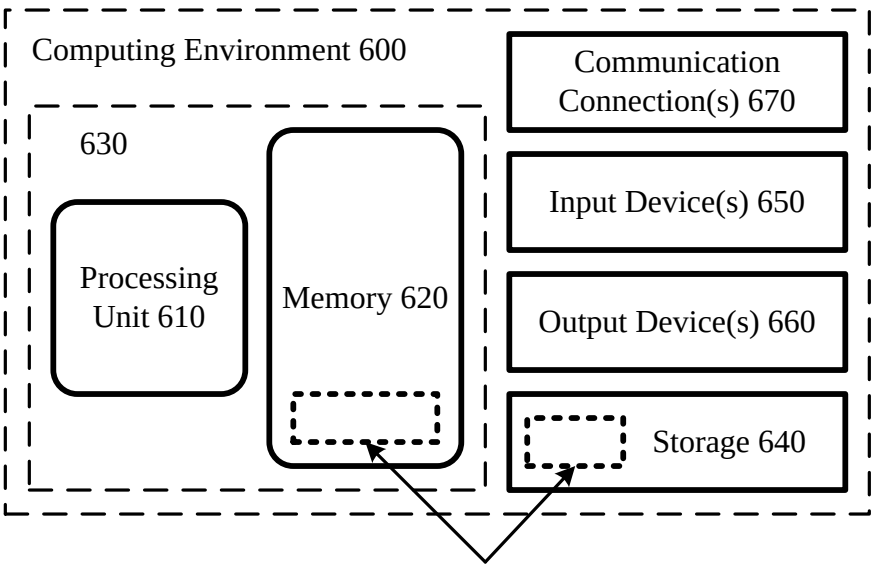

500
Start
Receive code with recorded step tokens
510
Verify code
520
Pass tokens to application
540
Process tokens with native macro player
550
Done ?
560
no
yes
End

Figure 6


Computing Environment 600
630
Processing Unit 610
Memory 620
Communication Connection(s) 670
Input Device(s) 650
Output Device(s) 660
Storage 640
Software 680 for smart recording and playback