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(54) Title: SYSTEM AND METHOD FOR MAINTAINING STATE INFORMATION WHEN RENDERING DESIGN INTER-
FACES IN A SIMULATION ENVIRONMENT

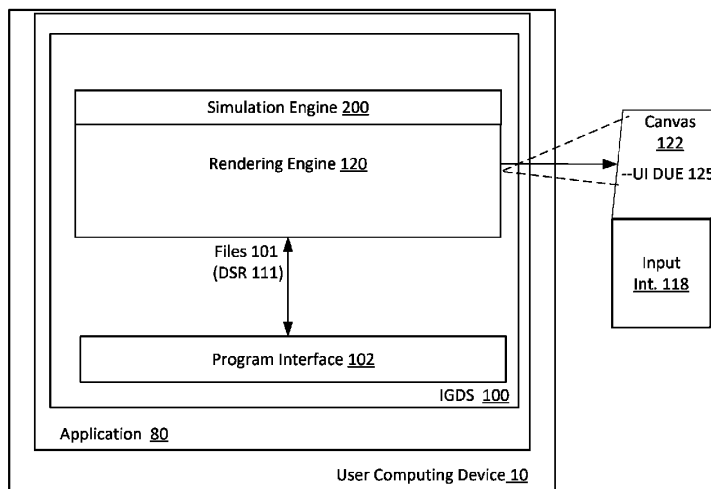


FIG. 1A

(57) Abstract: A computing system implements a simulation environment graphic design system. The graphic design system can be used to create a plurality of cards that individually contain design elements. The computing system can generate production-environment renderings of the individual cards as simulations. In generating the production-environment renderings of the simulation, the computing system processes each card of the sequence to determine a semantic structure for the sequence of cards, where the semantic structure includes nodes that represent a production element of the simulated design. The computing device can further determine, based on the determined semantic structure, whether a design element of each of a first and a second card in the sequence represent a same production element of the simulated design.

[Continued on next page]

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