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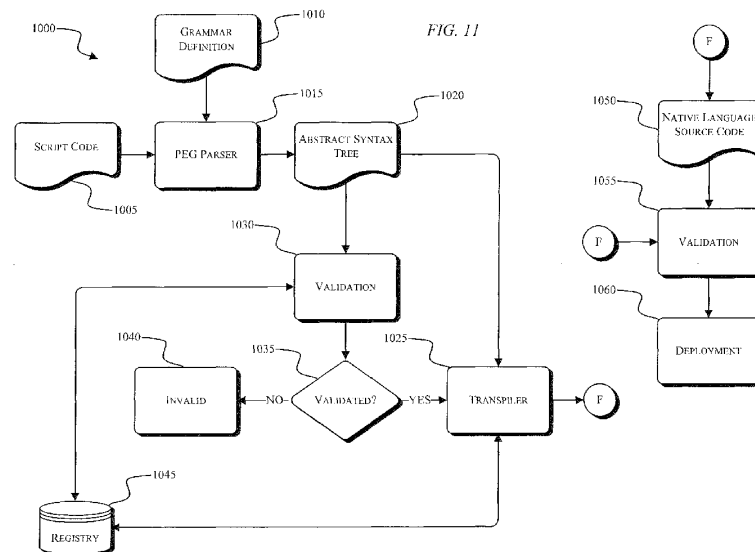
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(54) Title: TRANSPILATION OF FRAUD DETECTION RULES TO NATIVE LANGUAGE SOURCE CODE



(57) Abstract: Systems, methods, devices, and computer readable media related to fraud detection. Fraud detection is achieved using a flexible scripting language and syntax that simplifies the generation of fraud detection rules. The rules are structured as conditional IF-THEN statements that include data objects referred to as Anchors and Add-Ons. The Anchors and Add-Ons used to generate the rules also correspond to a distinct data path for the retrieval data from any of a variety of data sources. The generated rules with distinct data paths are then converted using a transpiler from the scripting language into native language source code (e.g., PHP, Java, etc.) for deployment in a particular environment. The rules are then executed in real-time in the environment to detect potential fraudulent activity.

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