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(54) **Title:** SYSTEMS AND METHODS FOR COMPARING SOFTWARE CODE

(57) **Abstract:** A computer-implemented method for comparing a first code and a second code comprises generating a first payload from the first code, generating a second payload from the second code, performing a comparison of the first payload with the second payload by iterating over at least one pair of nodes, the at least one pair of nodes including a first node from the first payload and a corresponding second node from the second payload, identifying at least one differing element of the at least one pair of nodes in which a difference occurs, and in response to identifying the at least one differing element, generating a mismatch object for the pair of nodes, the mismatch object defining at least one characteristic of the at least one differing element of the at least one pair of nodes, wherein the at least one characteristic includes at least a position of the differing element in the first node and the second node. The method further comprises aggregating the mismatch object to a data set.

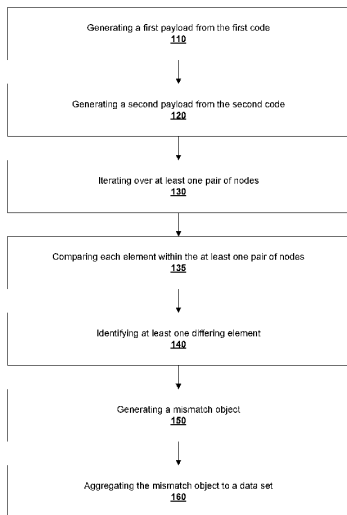


Fig. 1

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