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(51) International classification	:G06F0003023000, G06F0003048420, H04L0009320000, G06F0009451000, A61B0005024000	(71)**Name of Applicant :**
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(57) Abstract :
The present disclosure pertains to a system (100) and a method (200) for dynamic password re-usage detection through an input method editor (IME) analysis. The method (200) comprises receiving (202) input from a user for creating password associated with a user account. The method (200) includes capturing and analyzing (204) input method utilised by the user while creating password based on one or more input method parameters. Further, the method (200) includes assigning (206) an Input Method Editor (IME) signature corresponding to analyzed input method. Also, storing (208) the IME signature in an authentication profile of the user and each IME signature corresponding to each of the subsequent inputs within the authentication profile of the user. Furthermore, the method (200) includes detecting (212) potential password re-usage by analyzing and cross-referencing the IME signatures with associated one or more user accounts, time stamps and locations.

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