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(57) Abstract :
The present invention discloses a system (100) to authenticate multiple callers within a mobile communication. The system (100) encompasses a server (106), a processor (102), and memory (104) housing a set of instructions that orchestrate its operations. By establishing secure communication channels with one or more computing devices (110), the processor (102) executes instructions to receive incoming calls and associated caller (112) identity data through one or more computing devices (110). The received caller identity data is compared with established identity records stored in a database (218), determining the authenticity of the incoming callers (112). Additionally, the processor (102) retrieves stored calling preferences from the database (218). By correlating the caller authenticity analysis and calling preferences, the processor (102) decides to accept or decline the incoming call. Upon determination of unauthentic callers (112), the system (100) generates and transmits alert signals to the computing devices (110), thereby securing communication channels.

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