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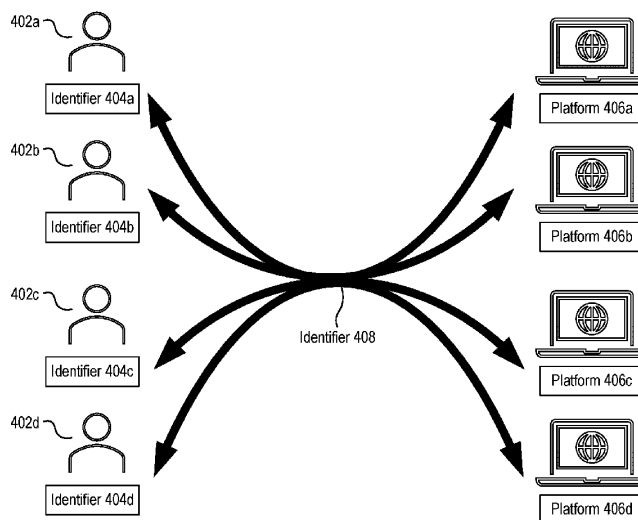


FIG. 4A

(57) **Abstract:** Introduced here is a data obscuration platform that is able to protect user data, including sensitive and personally identifiable information, from websites, third-party platforms, other entity types, and individuals. The system facilitates a dynamic communication routing system that manages texts, calls, and emails using a pool of reusable, shared, and unique phone numbers and other identifiers. By leveraging advanced routing algorithms, the system enables the re-use of phone numbers and other identifiers across different users and contexts, thereby increasing the privacy benefits. The system also dynamically manages user settings, data attributes, credentials, likeness, and personal information across multiple websites and apps. By building an understanding of each website, the system can autonomously generate and execute instructions to update or extract settings, content, and user data in real-time.

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