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(57) Abstract :

The invention discloses a computer-based tool for enhanced online privacy management (101) comprising a data monitoring unit (102), a privacy analytics engine (103), an anonymization and encryption module (104), a secure browsing unit (105), a user dashboard (106), and a compliance assistance module (107). Together, these modules provide real-time detection, secure communication, anonymized browsing, and compliance assistance. Experimental validation demonstrates improved user data protection, reduced exposure to online threats, and higher compliance with global privacy regulations.

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