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(57) Abstract :

The present invention discloses a device (100) for biometric-based real-time system access authorization. It comprises a biometric input module (102), real-time processor (104), sensor array (106), secure storage (108), authorization module (110), interface unit (112), and encryption engine (114). The device enables continuous verification, dynamic access control, and real-time revocation in distributed computing environments, enhancing security and user-role management.

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