Armatura Secures U.S. Patent by USPTO for Innovative Mobile Credentials Technology

11th December 2025 – Armatura LLC, a global biometric technology provider specializing in advanced access control solutions, today announced the grant of U.S. Patent No. 12,477,335 B2 by the United States Patent and Trademark Office (USPTO) on 18th November 2025, for its "Method and System for Performing Task in Access Control Device," underscoring Armatura's commitment to revolutionizing secure mobile access, and enabling dynamic, user-specific control in high-security environments.

"The patent validates our dedication to developing cutting-edge mobile credentials that prioritize security, convenience, and adaptability," said Raymond So, General Manager of Armatura. "In today's digital landscape, where threats to physical and data security are evolving rapidly, our technology empowers organizations and corporates to implement tailored access controls efficiently. It streamlines user experiences while safeguarding sensitive assets, aligning with our vision of seamless, intelligent security solutions."

Armatura's mobile credential solution enables smartphones, smartwatches, and tablets to function as secure digital credentials through three primary modes: BLE-based mobile credentials for proximity access, Card Mode (NFC) for tap-style authentication, and dynamic QR codes for flexible issue of temporary access. Backed by encrypted communication, rolling key mechanisms, and time-based QR code regeneration, the solution helps minimize unauthorized access attempts while ensuring precise identity verification. By replacing physical cards, fobs, and keys, organizations can significantly reduce issuance and replacement costs, streamline credential lifecycle management, and improve the overall user experience with fast, reliable, and hassle-free entry to secured spaces.

With Armatura's cloud-based Armatura Credential Management System (ACMS), it further enhances these advantages by centralizing the issuance, update, suspension, and revocation of mobile credentials. Administrators can manage credentials remotely, benefit from secure and highly available cloud storage, and gain real-time visibility into access events. Through ACMS APIs and reader SDKs, Armatura's mobile credential solutions integrate seamlessly with existing access control systems, building management platforms, and other business applications, providing scalability, deployment flexibility, and a foundation for custom developments and new use cases.

Designed for interoperability, Armatura's mobile credentials integrate with its biometric readers, including touchless palm and face recognition systems, as well as a wide range of third-party devices and platforms. The use of personal smart devices not only enhances convenience, but also reduces environmental impact by minimizing plastic card production and disposal, supporting more sustainable and hygienic access practices that are particularly valuable in healthcare, education, corporate campuses, and other high-traffic environments.

The innovation of mobile credentials positions Armatura as a leader in mobile-based access control, offering reliable, secure, and user-friendly alternatives to traditional methods. The system ensures faster, more controlled entry within predetermined ranges and supports flexible, future-ready integrations, addressing limitations of conventional fixed-range and card-based solutions.

About Armatura LLC

Armatura is a global biometric technology provider specializing in advanced security solutions, including touchless palm and face recognition, multi-tech RFID, and AI-enhanced systems. Headquartered in Alpharetta, GA, Armatura delivers compliant, high-performance products to clients worldwide, focusing on cybersecurity, GDPR adherence, and seamless integration for enterprise needs.

For more information, visit www.armatura.us.

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