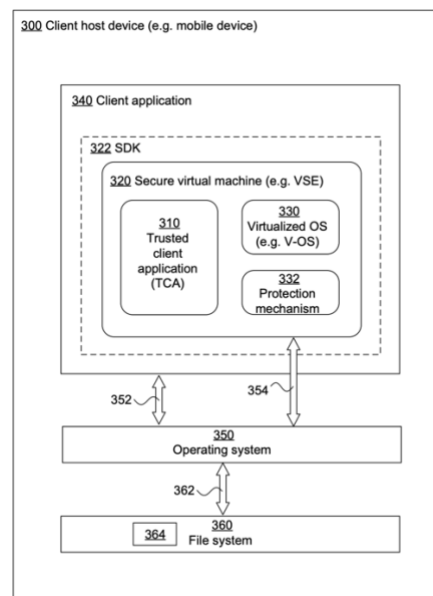


Crunchfish receives positive international patentability report for device-agnostic trusted client technology

Malmö, August 21st, 2026.

Crunchfish has received a positive International Preliminary Report on Patentability (IPRP) for its international patent application “Client-Server Model with Trusted Client Application”. The international PCT examining authority considers all current patent claims to meet the requirements for novelty, inventive step and industrial applicability. The innovation enables trusted execution of digital services on client devices and is particularly relevant for offline, resilient and distributed applications.



The international patent application, PCT/SE2025/050409, published as WO 2025/230456, describes a client-server architecture where a trusted client application executes securely within a virtual secure environment embedded in an ordinary client application.

The architecture makes it possible to move selected functionality and trusted assets from a central server to the client device while maintaining security. Sensitive client resources can include credentials, cryptographic keys, counters, secure time, transaction logs, risk limits and mechanisms for preventing fraudulent replay or rollback.

A central aspect of the invention is that trusted client functionality can execute locally without requiring communication with a server during the execution itself. This makes the architecture particularly suitable for offline digital services while also reducing dependency on continuous server availability.

For Crunchfish, the invention strengthens the technology foundation for Governed Offline payments, where trust must extend from central payment infrastructure to the client device. By enabling payment functionality and critical resources to be securely maintained and executed on the client, the trusted client architecture supports payments that can continue securely when online infrastructure is temporarily unavailable, while preserving the controls required by the payment system.

The patent application identifies several potential application areas, including generative AI, mobile gaming, digital media and identification services. More broadly, the architecture can enable digital services to securely extend functionality and trust from central infrastructure to client devices.

"Digital services are increasingly moving functionality from centralized infrastructure to users, devices and autonomous software. This creates a fundamental need to preserve trust when execution takes place outside the server. Our invention enables selected service logic and trusted assets to execute securely on the client, including when the client is offline. The positive international patentability report is an important validation of this architecture and strengthens our intellectual property position in trusted client-side execution," **says Joachim Samuelsson, CEO of Crunchfish.**

The IPRP concludes that all current claims are novel, involve an inventive step and are industrially applicable. The positive assessment follows amendments and arguments submitted during the international examination process that distinguished the invention from the prior art. The positive IPRP provides a strong basis for Crunchfish to continue the patent process through national and regional applications in selected markets.

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About Crunchfish – [crunchfish.com](https://www.crunchfish.com)



Crunchfish is a deep fintech company developing governed offline payments technology for payment systems, banks, and payment applications. The company enables offline payments as a Layer-2 solution on top of existing payment systems, allowing transactions to be executed without connectivity while ledger authority and settlement remain unchanged. Through a reservation-based model, resilience is achieved without creating parallel forms of money or unmanaged credit risk. Crunchfish's architecture is patented and enables interoperability across multiple payment systems and markets. The solution strengthens system stability while also supporting economic incentives by ensuring that liquidity backing offline payments remains within the regulated financial system.