Finger Trader Announces Filing of the World's First 'Multi-Node Capacity Risk Transfer Signal System (MMRTS)' Patent

A New Global Standard for Cross-Market Transparency & Technology-Neutral Infrastructure

OSAKA, □□□, JAPAN, November 25, 2025 /EINPresswire.com/ -- Sargia Inc(Finger Trader) today announced that its core technology, the Multi-Market-Maker Risk Transfer Signal Distribution System (MMRTS), has been officially filed and accepted for patent review (Application No. 22025115536.6).

This invention introduces a pure Signal-Layer infrastructure, entirely isolated from any pricing, execution, routing, matching, clearing, or transaction behavior. MMRTS focuses exclusively on real-time capacity monitoring, automated risk-transfer proposal generation, and audit-ready evidence logging, marking a breakthrough in how multi-node financial environments manage capacity risk.

A Seven-Year Engineering Mission with One Core Vision:

"Let participants evaluate the market, not the trustworthiness of counterpart nodes."

MMRTS was designed to solve a longstanding structural problem in multi-venue financial ecosystems:

The risk a participant bears should not depend on the honesty or governance quality of different nodes.

To achieve this, Finger Trader spent three years engineering a system where:
 • Anything that previously required "trust" becomes "verifiable."
 • Anything that previously required "guesswork" becomes "recorded evidence."

MMRTS is the first public reveal of this philosophy in a complete, patent-protected form.

Key Technical Highlights (Patent Excerpts)

1. Real-Time Dual-Layer Capacity Monitoring

The system continuously monitors each node's operational load.

When a node reaches or approaches its threshold, MMRTS automatically generates a Risk Transfer Signal (RTS) containing load snapshots and triggering conditions.

2. Dynamic Capacity Computation & Proportional Proposal Generation

MMRTS calculates remaining capacity across all other nodes—supporting FX, metals, equities, indices, CFD, OTC liquidity, and more—then generates proportional transfer proposals for load redistribution.

3. Fully Independent Node Decision-Making

Every node independently responds to proposals:
  • Accept
  • Reject

MMRTS cannot force, modify, outsource, or execute any action.
It is strictly non-interventionist.

4. Immutable Evidence Chain — "Who Decided What" Is Always Verifiable

All RTS events—including generation, broadcasting, acceptance, or rejection—are stored using:
  • Node Signature + HSM System Signature
  • Hash-Chained Records (tamper-evident, irreversible)
  • Multi-node synchronized storage

MMRTS does not require blockchain or crypto; it is fully aligned with regulated financial audit standards.

5. Technology-Neutral Architecture (Written Explicitly in the Patent)

MMRTS does not:
  • produce prices
  • match orders
  • execute trades
  • route liquidity
  • clear transactions
  • manage funds
  • access user data

It is a signal system, not a financial system.

A Deep Structural Advantage: Hard to Replicate, Harder to Reverse-Engineer

MMRTS is built through tightly coupled modules:
- Monitoring Module
- Signal-Generation Module
- Capacity Computation Module
- Proposal-Distribution Module
- Verification & Responsibility-Tracking Module

These modules form a single interconnected logic chain.

Even if an external party imitates the features, it cannot reproduce the structural logic, which is precisely what the patent protects.

Regulatory Benefits:

A New Level of Auditability and Transparency**

Regulators commonly ask three questions:

1. "Can responsibility be clearly tracked?"

Yes.
MMRTS binds every decision (accept/reject) to a permanent evidence chain.

2. "Does the system intervene in the market?"

No.
MMRTS is passive and neutral; it never triggers or executes any financial action.

3. "Does the system expose sensitive information?"

No.
Regulators only see RTS signals—not user data, trade details, or pricing.

This makes MMRTS compatible with:
- RegTech
- ClearingTech
- Market Infrastructure Technology (InfraTech)

*A Global Use-Case:

A Common Language for Multi-Node Risk Transparency**

MMRTS can be deployed across:

- Multi-market, multi-maker liquidity ecosystems
- Cross-jurisdiction risk-monitoring environments
- Clearing member capacity audits
- High-frequency multi-venue infrastructure
- Any system needing transparency at the Signal Layer rather than the Execution Layer

This is the first time a market-neutral "risk-transfer signaling standard" has been structurally defined.

Founder's Remarks

"Our goal is simple:
Participants should only need to evaluate the market, not the trustworthiness of counterpart nodes."

"MMRTS decentralizes risk concentration and replaces belief with evidence."

He adds:

"The patent filing is only the beginning.
Our mission is to build a globally adoptable Signal Layer standard for modern financial infrastructure."

Conclusion:

MMRTS Is Not a Feature—it Is a Foundational Standard**

The submission of MMRTS marks the first public disclosure of Finger Trader's seven-year infrastructure effort.
It is not a tool, not a product feature, but a baseline standard for cross-node risk transparency, designed for the next generation of global market infrastructure.

Finger Trader will continue expanding MMRTS across multiple markets, nodes, and regulatory jurisdictions—building a future that is:

More Transparent
More Stable
More Verifiable

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