Global Trust System™ (GTS) – US Patent 11,847,675 B2
Trust & Settlement Architecture for Digital Work, CBDCs, and Cross-Border Payments

1. What the Invention Is

Global Trust System (GTS) is a **trust and settlement architecture** that makes:

- Work and deliverables

- Compliance and rules

- Payments and settlements

verifiable, programmable, and auditable across digital labor platforms, government programs, and payment rails (including CBDCs and other digital currencies).

At its core, GTS uses:

- **Work tokens / receipts** representing tasks, milestones, or outcomes

- **Rule engines** that encode contracts, policies, and quality criteria

- **Programmable settlement logic** that only releases funds when the rules and proofs are satisfied

- **Distributed ledger / blockchain layer** to record work, approvals, and settlements as tamper-evident events

2. The Problem It Solves

Current systems for digital work and disbursements suffer from:

- **High dispute rates and fraud** – it's hard to prove what work was done, at what quality, under which rules.

- **Static, legacy infrastructure** – resumes, invoices, and manual checks don't work at digital scale.

- **Fragmented data** – identity, work history, compliance checks, and payments live in different systems.

- **Inefficient government and enterprise programs** – subsidies, training, and re-employment funds are difficult to target, track, and audit.

Result: higher costs, slower settlement, and lower trust among platforms, workers, enterprises, and regulators.

3. How GTS Works at a High Level

1. **Identity & Role Layer**

   - Registers workers, firms, platforms, and agencies with roles and permissions.

2. **Work Definition & Tokenization**

   - Tasks, milestones, or outcomes are defined as "work units" and represented as digital tokens/receipts.

3. **Rule & Compliance Layer**

   - Encodes contracts, quality criteria, program rules, and jurisdictional constraints.

4. **Verification & Arbitration**

   - Verifiers (human, algorithmic, or both) attest whether the work unit and rules are satisfied.

   - Built-in escalation and dispute flows reduce ambiguity and legal friction.

5. **Programmable Settlement**

   ◦ When verification and rules pass, funds are released automatically to the correct parties.

   ◦ Settlement can operate over CBDCs, stablecoins, or traditional rails, depending on deployment.

6. **Audit & Analytics**

   ◦ Every step (work, checks, settlement) is logged on a secure ledger, enabling real-time audit, reporting, and risk management.

4. Key Use Cases

1. Digital Labor Platforms & Marketplaces

- Verifiable work receipts instead of vague time sheets.

- Lower disputes, faster payouts, higher trust between platforms, workers, and clients.

2. CBDC & Cross-Border Payment Systems

- Attach **provable work or program conditions** to CBDC or token flows.

- Enable outcome-based disbursements rather than simple "send money" transfers.

3. Government Programs (Unemployment, Training, Subsidies)

- Track which worker did what training or work, under which program rules.

- Release funds only when verified outcomes are achieved, improving integrity and reducing leakage.

4. Enterprise Compliance & Vendor Management

- Link work obligations, compliance checks, and payments in a single programmable flow.

- Strengthen auditability for regulators and internal risk teams.

5. Why This Patent Has Strategic Value

- **Bridges labor, compliance, and settlement in one architecture** instead of treating them as separate systems.

- **Technologically neutral** – can be implemented over multiple ledgers, CBDCs, or conventional rails.

- **Aligns with current global priorities**: CBDCs, tokenized economies, outcome-based funding, verifiable digital work.

- **Licensable building block** for:

  ◦ Payment processors and card networks

  ◦ CBDC and cross-border payment projects

  ◦ Cloud providers offering "trust layers" as a service

  ◦ Large platforms (e.g., professional networks, gig platforms, government service vendors)

6. Transaction Structure (For Potential Buyers/Licensees)

- **License models:**

  - Field-of-use or geography-specific licenses

  - Platform-wide or enterprise-wide usage

  - Per-transaction or revenue-share structures

- **Asset sale:**

  - Full purchase of the patent and associated rights, with or without consulting/support.

For further details, technical claim mapping, or licensing discussions, please contact:

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