

# PROVISIONAL PATENT APPLICATION

## Title

Universal Smart Visa and Global Digital Passport Platform for Economic Growth, Youth Development, and Debt Reduction via a Digital Visa App

## Abstract

The invention discloses a Universal Smart Visa and Global Digital Passport Platform designed to significantly increase host-nation economic growth by facilitating safe, structured, high-value international travel. Through AI-driven instant visa issuance, tourism expansion, educational and youth mobility programs, employer matching, lodging integration, and automated compliance systems, the platform drives measurable increases in national spending, tax inflows, job creation, and debt-reduction funding. The system integrates biometric identity verification, global travel history aggregation, youth development credits, optional bonds and wearables, and multi-sector travel partnerships into a unified digital visa application that promotes compliance, accelerates visa approvals, and maximizes economic contribution from visitors while maintaining near-zero overstay risk.

## Claims

1. A computer-implemented system for issuing, managing, and validating a Universal Travel Identity Credential (UTIC) comprising biometric identity verification, global travel history aggregation, multi-country database validation, AI-driven trust scoring, and cross-national digital visa issuance.
2. The system of claim 1, wherein the UTIC is recognized by multiple sovereign nations as a digital passport layer.
3. The system of claim 1, wherein verified travel history from multiple nations is aggregated and used to calculate trust scores and adjust visa eligibility.
4. A visa-issuance subsystem configured for real-time visa approval through identity validation via country-of-origin databases, passport authentication, and global security records.
5. The system of claim 1, wherein biometric data including facial, fingerprint, or iris scanning is used for compliance monitoring.
6. The system of claim 1, wherein third-party wearable devices transmit telemetry for location, movement, and tamper detection.

7. The system of claim 1, wherein third-party bond providers guarantee monetary forfeiture upon overstay, with forfeitures directed to social-good or debt-reduction causes.
8. The system comprising lodging partner integration, enabling hotels or homestay providers to verify check-ins, report no-shows, and submit incident reports affecting visitor compliance scoring.
9. An employer-matching subsystem allowing visitors to apply for short-term work engagements using selected identity and compliance data.
10. The system of claim 9, wherein employer acceptance generates a Work Engagement Token defining permissible duties, duration, and compensation.
11. A travel marketplace providing curated flights, lodging, tours, insurance, and transportation options synchronized with visa details.
12. A youth travel credit subsystem enabling minors, with verified parental consent, to complete approved educational programs that generate Travel Credits contributing to a Youth Trust Score.
13. The system of claim 12, wherein Travel Credits include completion of educational modules related to cultural awareness, leadership, nature studies, arts, sports training, or technology programs.
14. The system of claim 12, wherein the Youth Trust Score influences eligibility for youth development visas enabling participation in educational, cultural, artistic, athletic, environmental, or technological programs in the host nation.
15. The system of claim 12, wherein youth program providers transmit verified participation and completion data to the platform for integration into the child's global travel history and Youth Trust Score.
16. The system of claim 12, wherein the Youth Trust Score persists into adulthood and contributes to long-term visa, immigration, or work eligibility assessments.
17. A cross-national interoperability subsystem enabling governments to validate UTIC credentials, travel history, and trust scores.
18. A treasury subsystem configured to collect visa fees, lodging partner fees, employer fees, travel marketplace fees, and bond forfeitures and route at least a portion to national or multinational debt-reduction funds.
19. A non-transitory computer-readable medium storing instructions to perform any of the preceding claims.

## **Detailed Description of the Invention**

### **Youth Development Visa Track**

The Youth Development subsystem enables minors aged 7–17, with verified parental consent, to participate in global educational "

"and cultural development programs. Children create a youth travel profile containing parental identification, school details, "

"and optional biometrics depending on regional regulations. Through the app, youth users access approved third-party educational "

"providers offering leadership training, language studies, cultural awareness courses, arts instruction, nature exploration, "

"STEM programs, citizenship education, athletic development, and behavioral modules. Completion of these courses generates "

"Travel Credits logged to the Universal Travel Identity Credential. These credits increase the Youth Trust Score, which governments "

"may use to grant eligibility for youth development visas allowing participation in structured U.S. or international educational "

"programs, camps, exchanges, and skill-building events.

### **Youth Trust Score and Global Persistence**

The Youth Trust Score tracks structured educational experiences, program participation, behavior achievements, and travel compliance. "

"The score persists into adulthood and continues evolving as the user travels globally. A strong Youth Trust Score improves future "

"visa approvals, eligibility for work and study programs, and trust among partner governments.

### **Integration with Existing UTIC System**

The Youth Development subsystem integrates with the broader UTIC ecosystem. Youth may accumulate trust and experience without any "

"international travel, creating a verified pre-travel profile recognized by governments. When minors later travel, their established "

"Youth Trust Score reduces risk and accelerates visa approvals.

### **Third-Party Educational Partners**

Educational partners, NGOs, schools, universities, sports academies, arts institutions, nature programs, and leadership camps may "

"be integrated as trusted providers. They report verified attendance, completion, and achievements to the platform. Providers access "

"a secure dashboard to register programs, validate participation, and generate certificates or badges appended to the user's UTIC profile.

### **Compliance and Safety**

For youth travel, the system may require additional safety measures, including verified lodging, chaperone data, event itineraries, "

"transportation records, or wearable safety devices. Compliance is tracked via biometrics, lodging confirmations, and partner program reports.

### **Global Interoperability**

Governments may integrate UTIC and Youth Trust Scores into their visa systems. The platform provides cross-border identity verification, "travel history, and educational achievement data. Participating countries may adopt the Youth Development Visa Track to foster safe, "structured youth mobility.

### **Additional Claims - Economic Growth & Revenue Optimization**

20. The system of any preceding claim, wherein the platform is configured to increase host-nation economic activity by coordinating visa approvals with tourism, lodging, transportation, educational programs, and short-term employment opportunities, and by prioritizing low-risk visitors with higher projected economic contribution.

21. The system of claim 20, further comprising an economic-impact engine that estimates projected spending, tax revenue, and job creation associated with cohorts of approved visitors, and adjusts visa approval thresholds, program recommendations, or partner incentives to increase net economic benefit while maintaining compliance targets.

22. The system of claim 20, wherein visa fees, partner fees, and bond products are dynamically priced or tiered based on risk, projected spending, and desired policy outcomes, thereby enabling the host nation to tune the platform for growth, debt reduction, regional development, or sector-specific labor support.

23. The system of claim 20, wherein dashboards display aggregate economic metrics including visitor-driven spending, employer engagement, tax inflows, and contributions to debt-reduction funds, enabling government stakeholders to monitor and optimize economic impact of the Smart Visa program in near real time.

### **Economic Growth and National Prosperity Emphasis**

A core objective of the invention is to materially strengthen the economy of participating nations. By enabling high-volume, low-risk international travel through AI automation, the platform increases tourism spending, supports local businesses, boosts seasonal employment, enhances lodging occupancy, encourages cultural and educational exchange, and drives new revenue from visa fees, travel services, lodging partners, employer participation, and bond products. Governments may use real-time dashboards to optimize approval thresholds, focus on high-value visitor segments, and route revenues into

debt-reduction or development funds. This system transforms visa processing into an economic-growth engine while improving national security, compliance, and global engagement.