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(51) International classification	:H04L0009000000, H04L0009320000, H04L0067100000, H04L0009060000, G06Q0010087000	(71) <b>Name of Applicant :</b> <b>1)NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b> Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. Uttar Pradesh India
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(57) Abstract :

The invention discloses a cloud-supported system (100) for real-time supply chain visibility, integrating IoT devices (110), cloud platform (120), AI analytics engine (130), blockchain ledger (140), and stakeholder dashboards (150). The system captures and processes shipment data, predicts disruptions, and provides secure, immutable transaction records. Dashboards allow stakeholders to monitor KPIs, generate reports, and receive alerts. The invention ensures transparency, resilience, and efficiency, enabling proactive management of supply chains across industries while integrating seamlessly with ERP and warehouse systems.

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