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(57) Abstract :
 METHOD AND SYSTEM FOR DYNAMIC TRUST ORACLES ENABLING ADAPTABLE SMART CONTRACT EXECUTION IN DISTRIBUTED LEDGERS
 ABSTRACT The present invention presents a novel approach to enhance the reliability and adaptability of smart contract execution in distributed ledger environments. The system intelligently aggregates and validates diverse external data streams relevant to smart contracts, utilizing trust oracle modules 108. Dynamic trust adjustment modules 110 autonomously optimize trust parameters based on historical and real-time data, ensuring adaptability to evolving conditions. A secure communication interface 112 facilitates the bidirectional exchange of adjusted input data and trust parameters. The invention leverages cryptographic techniques, artificial intelligence algorithms, and blockchain-based protocols to enhance security, transparency, and immutability. This innovative system provides a robust framework for executing smart contracts with increased adaptability, trustworthiness, and responsiveness to dynamic changes in the distributed ledger ecosystem. FIG. 1

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