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(71)**Name of Applicant :**
1)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY
 Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. -----
Name of Applicant : NA
Address of Applicant : NA

(72)**Name of Inventor :**
1)RAVIRAJ SINGH KURMI
 Address of Applicant :Department of Computer Science & Engineering (DS), Noida Institute of Engineering & Technology, Greater Noida. Greater Noida -----

(57) Abstract :
 A privacy-preserving federated data aggregation platform (100) is disclosed, comprising a client module (101), local model trainer (102), federated orchestration module (103), secure communication channel (104), cryptographic aggregation engine (105), dynamic privacy controller (106), global model update synthesizer (107), decentralized ledger unit (108), and trust scoring unit (109) to enable secure, efficient, and privacy-compliant distributed machine learning.

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