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(54) Title of the invention : CARBON CREDIT INCENTIVE SYSTEM FOR CYCLISTS

(51) International classification	:G06Q20/34, G06Q30/0226, H04W4/02	(71)**Name of Applicant :** **1)Chitkara University** Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura ----------- ----------- **2)Chitkara Innovation Incubator Foundation** **Name of Applicant : NA** **Address of Applicant : NA** (72)**Name of Inventor :** **1)Dr. Ramkumar K R** Address of Applicant :CURIN, Chitkara University, Chandigarh-Patiala National Highway (NH-64), Village Jhansla, Rajpura, Patiala, Punjab-140401, India Rajpura ----------- -----------
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(57) Abstract :
The present disclosure introduces carbon credit incentive system for cyclists 100 to promote sustainable commuting practices and mitigate carbon emissions. It leverages GPS technology, environmental data analysis, and artificial intelligence algorithms to accurately track cycling activities and calculate carbon credits earned by cyclists. It comprises of location tracking GPS module 102, user interface 104, user profile management 106, data analytics dashboard 108, communication system 110, ai system 200, environmental parameter analysis module 202, carbon credit calculation module 204, ensemble learning module 206, real-time data processing module 208, cloud system 300, central storage system 302, partner incentive program 304. With a cloud-based infrastructure providing scalable storage and computing resources, the system offers reliability and scalability. Reference Fig 1

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