Artificial Intelligence and Blockchain Technology Method to Design Electric Vehicle Charging Systems

Se In Jung, Shin Dong Ho, Ph.D.
PAUL MATH SCHOOL
Dowontongmi-gil, Cheongcheon-myeon, Goesan-gun,
Chungcheongbuk-do, Republic of Korea
eavatar@hanmail.net

Abstract

Blockchain technology is emerging as a major issue in the era of the 4th Industrial Revolution. Gartner announced blockchain technology as a promising future technology along with artificial intelligence technology. Artificial intelligence and blockchain are major technologies that speed up innovation and bring about radical changes in all industries. Combining these two technologies presents the possibility of redesigning the paradigm for all industrial technologies from scratch. Future artificial intelligence technologies will learn and regulate themselves to build their own systems. In this paper, we intend to protect personal information in data by efficiently reflecting smart contracts using AI technology that predicts charging potential and block chain technology that guarantees the integrity of learning data in the recent active R&D of electric vehicle system. I want to design an electric vehicle charging system. In addition, the process of selecting a charging station by dividing the charging system for system implementation into before, during, and after charging is exemplified, and the contents necessary for actual implementation for each component are presented.

Keywords
Artificial Intelligence, Machine learning, Blockchain, AI, Electric Vehicle Charging,