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Patent Search

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Abstract:

The invention relates to an integrated approach to environmentally friendly smart cities with their convergent AI, IOT, and Big Data Technologies and Solutions. The smart cities has gained significant attention in recent years as a promising solution for addressing the complex challenges of urbanization and environmental sustain present disclosure explores the integration and convergence of various technologies, including Artificial Intelligence (AI), Internet of Things (IoT), and Big Data, in the c developing environmentally friendly smart cities. The integration of AI, IoT, and Big Data technologies enables cities to gather real-time data from a multitude of sour sensors, devices, and digital platforms. This data-driven approach empowers city authorities to make informed decisions, optimize resource utilization, and improve t quality of life for resident. The integration of AI, IoT, and Big Data technologies presents a promising approach towards developing environmentally friendly smart citi leveraging these convergent technologies, cities can harness the power of data-driven insights to optimize resource utilization, reduce environmental impact, and en overall sustainability of urban areas.

Complete Specification

Description: FIELD OF THE INVENTION

[01] The embodiments of the present invention generally relates to the field of Big Data Technologies, IOT and Artificial Intelligence. More particularly, the present invention relates to an integrated approach to environmentally friendly smart cities with their convergent AI, IOT, and Big Data Technologies and Solutions.

BACKGROUND OF THE INVENTION

[02] The following description of related art is intended to provide background information pertaining to the field of the disclosure. This section may include certain of the art that may be related to various features of the present disclosure. However, it should be appreciated that this section be used only to enhance the understanding of the reader with respect to the present disclosure, and not as admissions of prior art.

[03] One of the primary challenges is the issue of data privacy and security. With the proliferation of IoT devices and the collection of vast amounts of data, concern regarding the protection of personal information and sensitive data. Unauthorized access, data breaches, and the misuse of collected data are significant risks that be addressed to ensure public trust and acceptance of smart city initiatives.

[04] Another problem is the lack of interoperability and standardization among different IoT devices and platforms. The heterogeneous nature of IoT technologies c

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