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## Patent Search

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#### Abstract:

ARTIFICIAL INTELLIGENCE-BASED SOLUTIONS FOR CONSTRUCTION PROJECT MANAGEMENT CHALLENGES A method of treating a management tool that combines a purpose construction business management system with an electronic manual module based on a business process breakdown structure (BPS) for each ordering pla technique. Building information modelling digital models can be visualised and interacted with using systems and techniques that are suggested. Project management procedures can be carried out at the construction site using BIM models. A process for managing a construction project that involves retrieving a construction model standard construction design from a store, the construction model including a number of material elements that represent materials to be used in carrying out a con project in accordance with the construction model, and each material element having material properties. A project-specific website that allows public search and vie project general information, including alerts and status, improves public outreach. At least one construction component connected to a comparable constructed com construction site is present in the digital twin.

#### Complete Specification

Description:ARTIFICIAL INTELLIGENCE-BASED SOLUTIONS FOR CONSTRUCTION PROJECT MANAGEMENT CHALLENGES

#### BACKGROUND

##### Technical Field

[0001] The embodiments herein generally relate to an artificial intelligence-based solutions for construction project management challenges.

##### Description of the Related Art

[0002] A method of the general large-scale BPS applies to the duties of design, building, and maintenance may be carried out methodically in accordance with the ordering method, and it contains an electronic manual module based on BPS for each ordering method that can be effectively employed in the actual construction : Large teams of builders and specialists should be managed in a way that ensures that all aspects of the construction project such as partnership, evaluation, procur planning, engineering, labour protection, public relations, etc. are completed on time and with high quality throughout the construction process for example, from j to delivery. Due to the standardisation of the construction project and the associated economies of scale, project house construction businesses can offer highly competitive prices when compared to custom or one-off designs. These companies construct huge numbers of new homes based on standard designs and plans. T aspect that contributes to gaining from these breakthroughs and advancing them is management. Although the programme and project management professions benefited from these advancements, their respective industries still lack uniform and standard digital applications. The engineering, manufacturing, and fabrication parts and components needed for the building project take place all over the world and they must be put together at the construction site. Understanding the cont

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