

WALL PLASTERING SYSTEM

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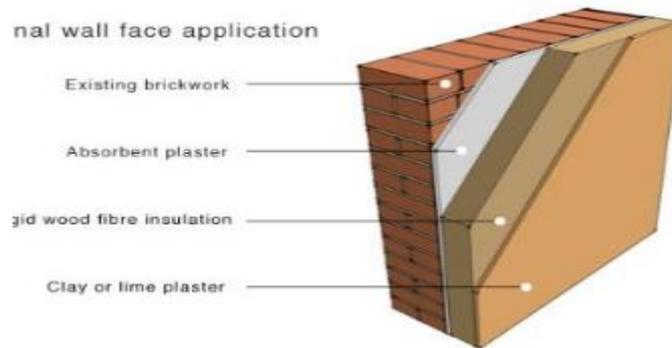
Abstract

The proposed invention relates to an automatic plastering system, comprising a plastering unit attached in the system, which consists of: a reservoir attached at first end of the unit that mixes binding materials, two adjusting components attached with both ends of the unit that fixes the unit at particular portion of walls of the building, a smoothing component that smoothens the surface of the walls of the building, and a power generator attached in the system that supplies power for the movement of the unit.

Keywords: plastering, power generator, binding material, smoothing component.

1. Introduction

Plastering is the phenomenon of protecting rough walls and uneven surfaces with a plastic material called plaster in the construction of buildings and other structures [1]. The plaster is a blend of lime or cement concrete and sand with adequate water content. The plaster serves as a protective layer that prohibits water droplets from penetrating through the layer of the walls of the building, and thus helps in removing cracks between the layers of the walls of the buildings [2][3]. From Conventional era of technology, daily basis workers are hired for plastering the walls of buildings. As it is observed that manual operation is a little bit time consuming and requires more number of labor for performing the same and is little bit costly in nature [4]. An automatic plastering system needs to be developed to plaster the building's walls in a cost-effective way and also enhances the building's velocity [5].



1. Working

The proposed invention relates to an automatic plastering system that reduces human endeavour for plastering the walls of the buildings [6]. The set of four wheels for the vertical or horizontal movement of the same on the particular portion of the building. The reservoir that mixes binding materials for plastering walls of the building, wherein the reservoir is cement plaster binding reservoir [7]. The cement plaster is a mixture of suitable plaster, sand, portland cement, and water which is applied to the interior and exterior surface of the walls of the building to achieve a smooth surface of the same. The adjusting components are attached with both ends of the plastering unit for fixing the plastering unit at particular portion of the walls [8].

2. Result and conclusion

The system is manufactured to improve the building's walls plastering velocity. As the population grows so many houses are being built at an exponential rate day by day. As it is known, food, shelter and clothing are every person's three fundamental necessities

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