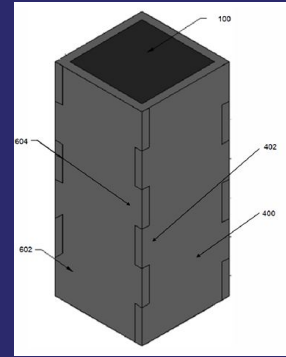


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System and method of reinforcement of masonry structures with dfrc sheets



NEED

Existing reinforcement methods for masonry columns often require rounding the edges, weakening the structure. A need exists for a system to strengthen masonry columns without compromising their sharp edges.

SOLUTION

The invention presents a reinforcement system and method specifically designed for masonry columns, ensuring effective strengthening without rounding edges.

INNOVATION

Introducing a method and system utilizing ductile fiber reinforced cementitious composite (DFRCC) sheets with interlocking grooves to reinforce masonry columns without compromising their sharp edges, enhancing structural integrity.

MARKET ANALYSIS

Market: Global construction reinforcement market.

CAGR: Approximately 5-6% from 2021 to 2028.

Potential Indian Clients: Real estate developers, construction companies, heritage conservation bodies, and government infrastructure projects.

WHY INVEST?

- Fiber Reinforced Polymer (FRP) Reinforcement
- Masonry structures
- Compressive strength

AT A GLANCE

- Current TRL NA
- Funded by NA
- IPC D04B
- Domain Construction and building reinforcement



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