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(71) Applicants and

(72) Inventors: **MARSH, Roger F.** [US/US]; 8600 N 100 West, Alexandria, Indiana 46001 (US). **MARSH, Patricia M.** [US/US]; 8600 N 100 West, Alexandria, Indiana 46001 (US).

(74) Agent: **KRAMER, Leslie P.**; Faegre & Benson LLP, Customer No. 35657, 3200 Wells Fargo Center, 1700 Lincoln Street, Denver, Colorado 80203-4532 (US).

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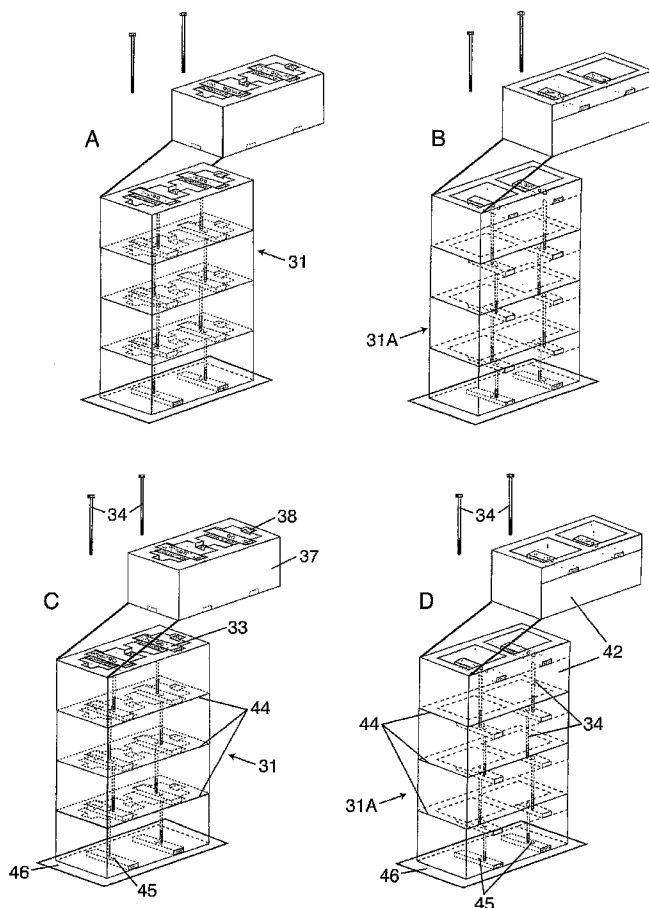
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(54) Title: UNITIZED POST TENSION BLOCK SYSTEM FOR MASONRY STRUCTURES



(57) Abstract: An improved mortar less masonry structure comprising a plurality of concrete masonry units connected to each other by metal bars and metal threaded fasteners thereby forming a reinforcing skeletal system for a post tensioned structure. The improved system has been developed for use in constructing various types of masonry structures. The improvements of the system feature masonry units with recessed channels, pocket channels, or fully embedded bars as anchors. The bolt acts as the tendon for the post tensioning system which traverse the hollow cavities as ducts. Other new features teach a strong and durable full plate anchor and high strength tendons for defensive and anti-terrorism structures. This is an improved building system that demountably couples each individual masonry unit by a bar and bolt system. This coupling results in stronger, faster, and cheaper construction of masonry structures.

WO 2007/094809 A3



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