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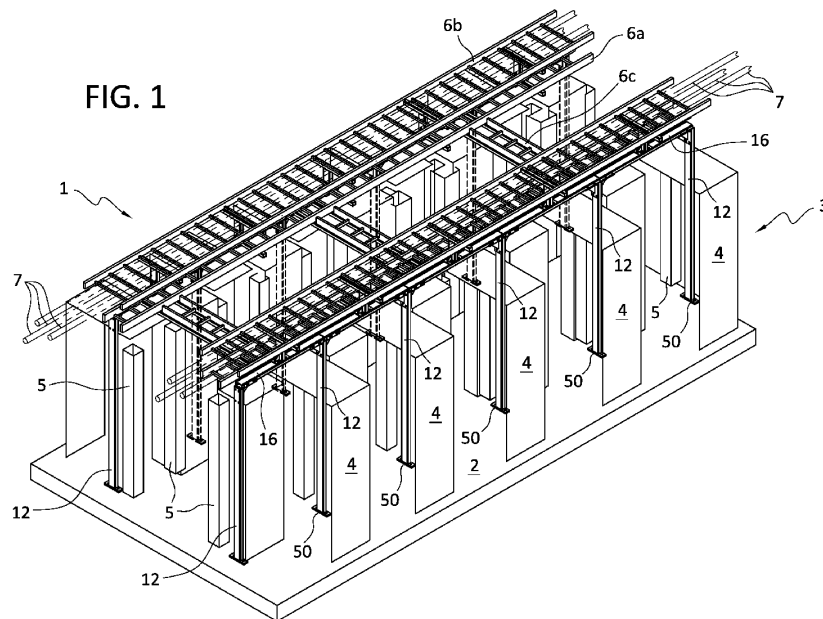
(71) Applicant: **M.C. DEAN, INC.** [US/US]; 1765 Greensboro
Station Place, Tysons, Virginia 22102 (US).

(72) Inventors: **RAMPEY, Walter Edward**; 41434 Reservoir
Rd., Leesburg, Virginia 20175 (US). **GU, Qiang**; Apt 1614,
1747 Tysons Central Street, Tysons, Virginia 22182 (US).

(74) Agent: **COLE, Thomas**; Roberts Calderon Safran & Cole
P.C., 7918 Jones Branch Drive, Suite 500, McLean, Vir-
ginia 22102 (US).

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(54) Title: FREE-STANDING CABLE TRAY SUPPORT STRUCTURE AND METHOD OF ASSEMBLY



(57) Abstract: A cable tray support structure (1) for supporting cables (7) above an array of server racks (4) in a data center is provided, along with a method of assembly. The cable tray support structure (1) is freestanding, and includes vertical support posts (12) disposed between the server racks (4) in the array linked together by horizontal support members (16). Coupling assemblies (30) couple the top ends of each vertical support posts (12) with opposing ends of two horizontal support members (16) arranged. The horizontal support members (16) are sized to space the plurality of vertical support posts (12) between the server racks (4) of the array when the vertical support posts (12) are coupled thereto. Tray supports (18) mounted on the horizontal support members (16) support cable trays (6a, 6b). The support structure (1) may be assembled either before or after the array of server racks (4) is installed in the data center, as it is mechanically independent from the server racks (4) and is supported only by the floor (2).

[Continued on next page]

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