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(71) Applicant (for all designated States except US): **PLATTFORMS, INC.** [US/US]; 4645 Highland Drive, Holladay, UT 84117 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PLATT, Russell, J.** [US/US]; 4645 Highland Drive, Holladay, UT 84117 (US). **CHARCHENKO, John, E.** [US/US]; 4645 Highland Drive, Holladay, UT 84117 (US). **HODGSON, Daryl, G.** [US/US]; 4645 Highland Drive, Holladay, UT 84117 (US). **PLATT, David, H.** [US/US]; 4645 Highland Drive, Holladay, UT 84117 (US).

(74) Agents: **BALLARD, Michael, M.** et al.; Workman Nydegger, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, UT 84111 (US).

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(54) Title: PRECAST COMPOSITE STRUCTURAL FLOOR SYSTEM

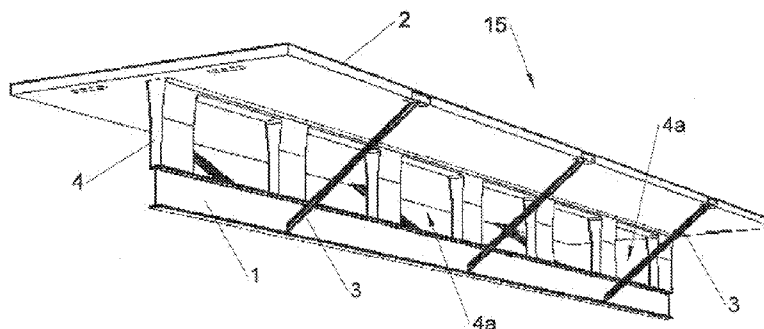


Figure 1

(57) Abstract: A composite floor panel includes a frame assembly having a base plate, a plurality of first lateral supports secured to the base plate, and a plurality of second lateral supports secured to the base plate. The first lateral supports lie in a first plane and the second lateral supports lie in a second plane. The first plane and the second plane each intersect the base plate and the first plane is disposed at an angle relative to the second plane. The composite floor panel also includes a concrete portion coupled to and supported by the first lateral supports and the second lateral supports.