

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 May 2006 (26.05.2006)

PCT

(10) International Publication Number
WO 2006/053813 A1

(51) International Patent Classification:
E04F 15/024 (2006.01)

(21) International Application Number:
PCT/EP2005/055467

(22) International Filing Date: 21 October 2005 (21.10.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
91 123 16 November 2004 (16.11.2004) LU

(71) Applicant (for all designated States except US): **UNI-FLAIR INDUSTRIES S.P.A.** [IT/IT]; Viale della Tecnica N. 2, I-35026 CONSELVE (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **ISAAC, Eric, Peter** [LU/LU]; Gappenhiehl 4, L-5335 Moutfort (LU).

(74) Agents: **LAMBERT, Romain** et al.; Office Ernest T. Freylinger S.A., B.P. 48, L-8001 Strassen (LU).

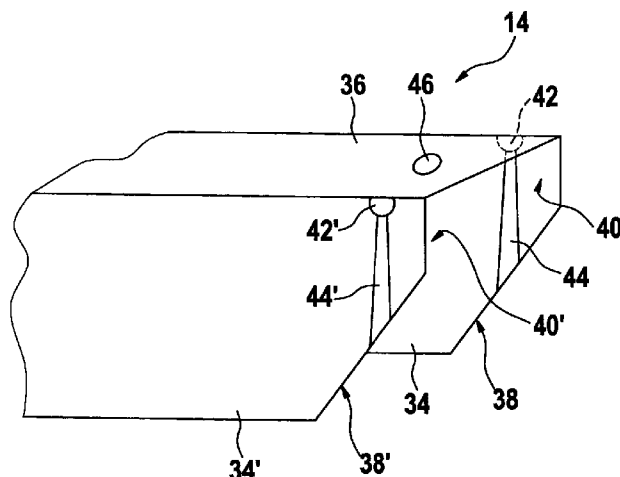
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SUPPORT STRUCTURE FOR ELEVATED FLOOR ASSEMBLY



(57) Abstract: Support structure for elevated floor assembly comprising a plurality of pedestals (10) and panel stringers (14) coupled between adjacent pedestals (10), each pedestal (10) having a column (16) with a supporting head (17) on an upper end of the column (16) and a base plate (18) on the lower end of the column (16), the supporting head (17) having radially protruding supporting arms (26) for connecting the panel stringers (14) thereto, and each panel stringer (14) having a generally inverted U-shaped cross-section with two generally parallel side portions (34, 34') and an interconnecting portion (36), wherein the interconnecting portion (36) rests on the radially protruding supporting arm (26) of the supporting head (17) of the pedestal (10). According to an important aspect of the invention, at an end portion of the panel stringer (14), at least one of the side portions (34, 34') comprises, on its inner surface (40, 40'), a cavity (42, 42') proximate the interconnecting portion (36) and a guide (44, 44') leading from an edge of the side portion (34, 34') remote from the interconnecting portion (36) to the cavity (42, 42'), and the supporting arm (26) comprises at least one lateral protrusion (30, 30') configured to be received in the cavity (42, 42') when the panel stringer (14) is connected to the supporting arm (26) of the pedestal (10).

WO 2006/053813 A1