

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
30 January 2025 (30.01.2025)



(10) International Publication Number
WO 2025/019890 A1

(51) International Patent Classification:

A47C 20/02 (2006.01) A47C 27/00 (2006.01)
A47C 19/02 (2006.01) A47G 9/10 (2006.01)
A47C 20/08 (2006.01)

(21) International Application Number:

PCT/AU2024/050781

(22) International Filing Date:

19 July 2024 (19.07.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2023902331 21 July 2023 (21.07.2023) AU

(72) Inventor; and

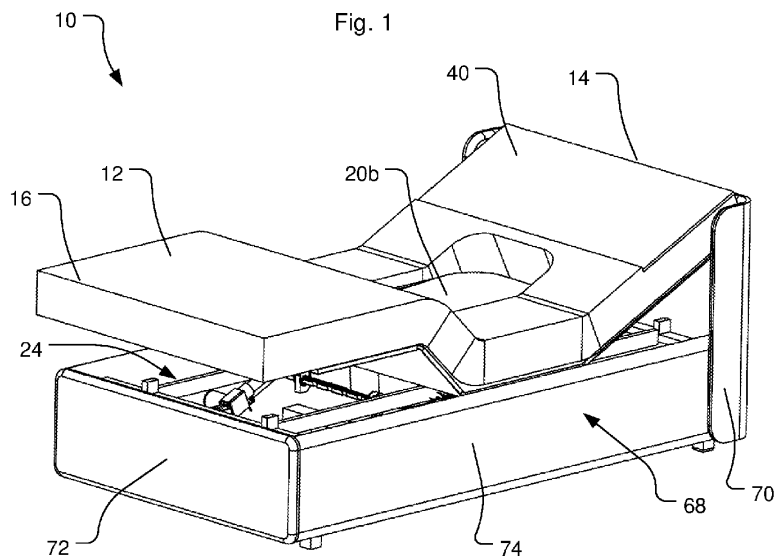
(71) Applicant: MUOLLO, Gianna [AU/AU]; 27 Towns
Road, Vauchuse, New South Wales 2030 (AU).

(74) Agent: FB RICE PTY LTD; Level 23, 44 Market St, Sydney, New South Wales 2000 (AU).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ,

(54) Title: "BED SYSTEM"



(57) Abstract: A bed system (10, 100, 200), comprising: a mattress (12) defining an opening (18) positioned between its first end (14) and second end (16); and a support assembly (19) associated with the opening (18). The support assembly comprises: a pillow (20a, 20b); and a suspension system (22) associated with the pillow (20a, 20b). The pillow (20a, 20b) is configured to substantially fill a horizontal extent and at least partially fill a vertical extent of the opening (18) and to support a portion of a user's body located above the opening. The suspension system (22) is configured to respond to forces applied to the pillow (20a, 20b) by the portion of a user's body located above the opening (18). The pillow (20a, 20b) is of adjustable height to facilitate adjustment of the extent to which it fills the vertical extent of the opening (18).

[Continued on next page]

RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- *as to the identity of the inventor (Rule 4.17(i))*
- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*