

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 November 2004 (25.11.2004)

PCT

(10) International Publication Number
WO 2004/100652 A3

(51) International Patent Classification:

A01K 29/00 (2006.01) A47G 9/06 (2006.01)

(21) International Application Number:

PCT/US2004/014792

(22) International Filing Date: 11 May 2004 (11.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/469,222 12 May 2003 (12.05.2003) US

60/473,399 28 May 2003 (28.05.2003) US

(71) Applicant and

(72) Inventor: FUNG, Bryan [US/US]; 1654 Creek Dr., San José, CA 95125 (US).

(74) Agent: OWENS, Jonathan, O.; Haverstock & Owens LLP, 162 North Wolfe Road, Sunnyvale, CA 94086 (US).

(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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, 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, IT, LU, 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

(88) Date of publication of the international search report:
9 April 2009

(54) Title: CHEW-RESISTANT PET BED

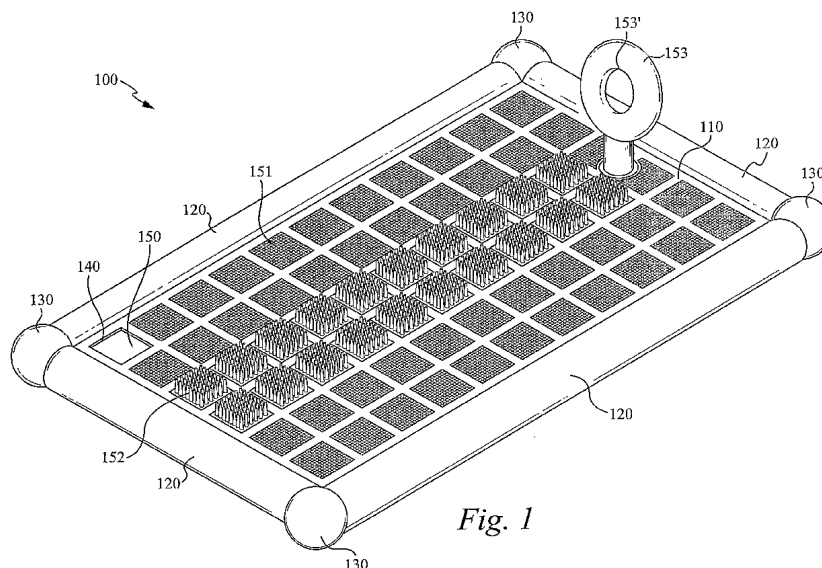


Fig. 1

(57) Abstract: A chew-resistant pet bed is disclosed comprising a mattress (110), a plurality of rims (220), and a plurality of spherical joints (130). The mattress comprises a plurality of insert sections (150). The components of the pet bed are preferably configured to be integrally molded and comprise a chew-resistant homogenous resilient non-toxic bitter material. In alternative embodiments, the components of the pet bed (100) are configured to detachably couple to one another and comprise a chew-resistant homogenous resilient non-toxic bitter material. Preferably, the chew-resistant pet bed (100) ranges in size such that the pet bed will fit within 24-54 inch deep dog shipping crates. Preferably, at least one of the plurality of insert sections (150) comprise cloth (500); in other embodiments, at least one of the plurality of insert sections comprise a chew-resistant non-toxic non-bitter material pet toy, a plurality of bristles (400), or combination thereof.



WO 2004/100652 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/14792

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A01K 29/00(2006.01);A47G 9/06(2006.01)

USPC: 119/28.5;5/417

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : Please See Continuation Sheet

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PLUS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,628,557 A (Murphy) 16 December 1986 (16.12.1986) entire patent	1, 2, 4, 6
Y	US 6,243,898 B1 (Ruff) 12 June 2001 (12.06.2001) entire patent	1-10
Y	US 5,784,994 A (Willinger) 28 July 1998 (28.07.1998) entire patent	1-10
A	US 5,226,384 A (Jordan) 13 July 1993 (13.07.1993) entire patent	1-10

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

27 March 2008 (27.03.2008)

Date of mailing of the international search report

13 JUN 2008

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

Andrea M. Valenti

Telephone No. 571-272-6895

BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This International Search Authority has found 6 inventions claimed in the International Application covered by the claims indicated below. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In order for more than one species to be examined, the appropriate additional examination fees must be paid. The species are as follows:

Species I: Claims 1-10, drawn to special technical feature of a pet bed comprising a mattress and casing (no corresponding figure).

Species II: Claims 11-26, drawn to special technical features of a pet bed comprising molded mattress, a molded frame, and a plurality of joints (Fig. 1).

Species III: Claims 27-42, drawn to special technical features of a pet bed comprising a molded mattress, a molded frame of bitter material, and a plurality of joints (Fig. 2A).

Species IV: Claims 43-57, drawn to special technical feature of a pet bed comprising a pad, a plurality of links, and a plurality of joints (Fig. 2B).

Species V: Claims 51-57, drawn to special technical features of a pet bed comprising a mattress, a plurality of rims, and a plurality of spherical joints (Fig. 2C).

Species VI: Claims 58-65, drawn to special technical features of a pet bed comprising a pad, a plurality of links, and a plurality of joints (Fig. 3).

The claims are deemed to correspond to the species listed above in the following manner:

Species I: Claims 1-10

Species II: Claims 11-26

Species III: Claims 27-42

Species IV: Claims 43-57

Species V: Claims 51-57

Species VI: Claims 58-65

The following claim(s) are generic: no generic claim has been identified.

1. This International Searching Authority considers that the international application does not comply with the requirements of unity of invention (Rules 13.1, 13.2, and 13.3) for the reasons indicated below:

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons:

The Special Technical Feature (STF) of Species I is a casing subassembly. The STF of Species I is silent from Species II-VI. The STF of Species II is a molded frame and molded joints of an integral bed that is a bitter material. The STF of Species II is silent from Species I. Form PCT/ISA/210 (extra sheet) (April 2007)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/14792

and Species III-VI. The STF of Species III is a molded frame and molded joints that are detachable and the bed is a bitter material. The STF of Species III is silent from Species I, II, IV, V, VI. The STF of Species IV is a pad. The STF of Species IV is silent from STF of Species I-II, Species V, VI. The STF of Species V is a mattress, protrusion features, rims, channel feature, insert sections, spherical joints. The STF of Species V is silent from Species I-IV and Species VI. The STF of Species VI is a fitted feature and hollow core spherical links. The STF of Species VI is silent from Species I-V.

Continuation of B. FIELDS SEARCHED Item 1:

119/28.5, 707, 171, 709-711, 19, 821, 525, 526; 5/417, 425, 944, 729, 901, 953, 603, 205, 282.1, 420, 946; D30/119-120, 118; D6/503, 501, 382, 331, 604, 605, 596, 390