

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 August 2006 (24.08.2006)

PCT

(10) International Publication Number
WO 2006/087545 A3

(51) International Patent Classification:
A61G 7/057 (2006.01)

(74) Agents: **ROBEY, James, Edward** et al.; Wilson Gunn,
5th Floor, Blackfriars House, The Parsonage, Manchester
M3 2JA (GB).

(21) International Application Number:
PCT/GB2006/000531

(22) International Filing Date:
16 February 2006 (16.02.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0503159.6 16 February 2005 (16.02.2005) GB

(71) Applicants (for all designated States except US):
S.TEASDALE (HOSPITAL EQUIPMENT) LIMITED
[GB/GB]; Mentor House, 2 King Street West, Stockport
SK3 0DY (GB). **M.S.S. (EUROPE) LIMITED** [GB/GB];
MSS House, Taffs Fall Road, Treforest Industrial Estate,
Cardiff CF37 5TT (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TEASDALE,**
Barry, Charles [GB/GB]; 457, Chester Road, Woodford,
Cheshire SK7 1QP (GB). **LEWIS, Jon** [GB/GB]; MSS
House, Taffs Fall Road, Treforest Industrial Estate, Cardiff
CF37 5TT (GB).

(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, KN, 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).

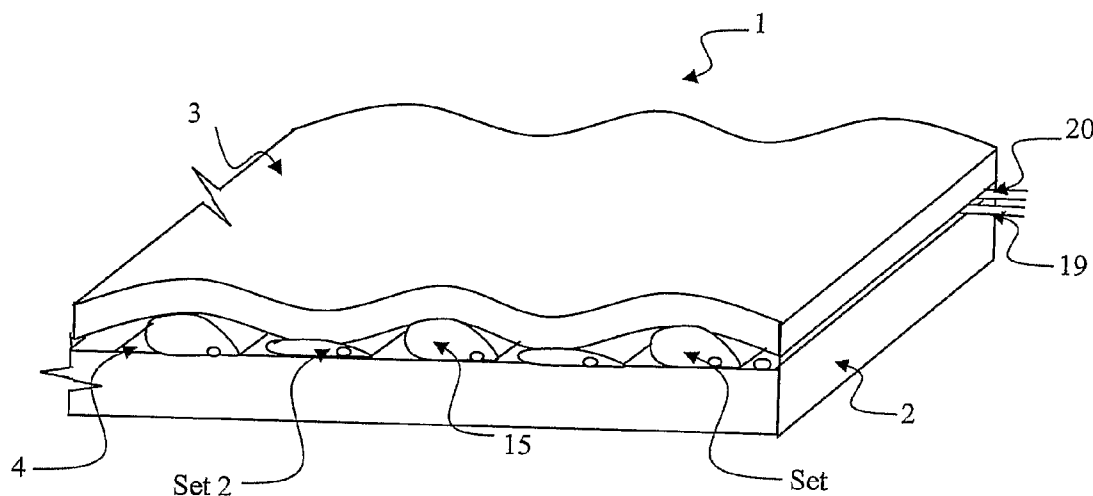
Published:

— with international search report

(88) Date of publication of the international search report:
21 December 2006

[Continued on next page]

(54) Title: AN INFLATABLE COMPONENT FOR AN ALTERNATING PRESSURE MATTRESS



(57) Abstract: An inflatable component (4) for an alternating pressure mattress (1). The inflatable component has at least two inflatable cells (15). Each cell (15) has at least two opposite edges (23, 24) and at least part of one of two opposite edges is free and lies within an outer peripheral edge of the component. The inflatable component (4) may be formed from two layers of material joined together along predetermined lines to define the cells. The inflatable component may include two or more groups of cells, each connected to a respective air inlet (19, 20). The inflatable component may be comprised in a mattress.

WO 2006/087545 A3



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.