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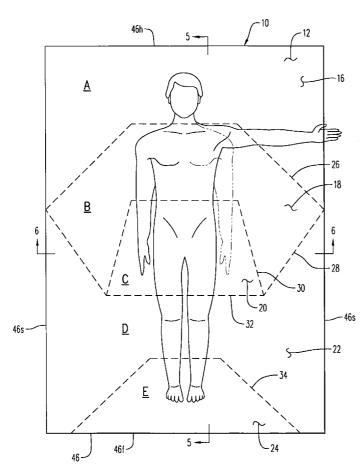
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(54) Title: MATTRESS PAD



(57) Abstract: A mattress pad (10) positionable atop a rectangular mattress which better accommodates diverse weights and sizes of the human anatomy for enhanced comfort. The mattress pad (10) includes a flexible bottom sheet (14) having a size and shape substantially similar to that of atop surface of the mattress. A flexible fabric top sheet (12) is connected to the bottom sheet (14) by peripheral stitching along common perimeter side (46s), head (46h) and foot (46f) margins. A plurality of generally side-by-side body supporting chambers (16, 18, 20, 22, 24) are each defined by peripheral stitching and spaced lines of continuous stitching (26, 28, 30, 32, 34) which interconnect the top and bottom sheets. Each chamber (16, 18, 20, 22, 24) is filled with a loose stuffing of fibrous or synthetic material movable within the chamber and capable of localized accumulation within the chamber by manual body or hand manipulating pressure against the top sheet (12). Preselected nominal thicknesses of each chamber (16, 18, 20, 22, 24) provide the comfort and accommodation to each portion of the human anatomy.

## INTERNATIONAL SEARCH REPORT

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A. CLAS	SIFICATION OF SUBJECT MATTER A47C 27/12( 2006.01) A47C 27/14( 2006.01)				
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C. DOCT	JMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	ppropriate, o	of the relevant passages	Relevant to claim No.	
A	US 6,961,970 B2 (PEDERSEN) 08 November 2005	(08.11.2005	).	1, 5, 8, 12, 15, 19	
A	US 5,117,519 A (THOMAS) 02 June 1992 (02.06.19	992).		1, 8, 15	
A	US 4,995,220 A (THOMAS) 26 February 1991 (26.0	02.1991).		1, 8, 15	
Α	US 4,839,934 A (ROJAS) 20 June 1989 (20.06.1989	)).		1, 2, 4-6, 8, 9, 11-13, 15, 16, 18-20	
A	US 4,766,627 A (LANDRY) 30 August 1988 (30.08.1988).		1, 6, 8, 13, 15, 20		
Α	US 4,748,703 A (EMI et al) 07 June 1988 (07.06.198	88).		1, 6, 8, 13, 15, 20	
A	US 3,083,496 A (FEINERMAN) 02 April 1963 (02.0	04.1963).		1, 2, 6, 8, 9, 13, 15, 16, 20	
Further documents are listed in the continuation of Box C. See patent family annex.					
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ategory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
A	US 2,248,768 A (LICHT) 08 July 1941 (08.07.1941).	1-5, 8-12, 15-19
A	US 2,021,237 A (KARR) 19 November 1935 (19.11.1935).	1, 8, 15