

Title (en)
PRESSURE REDISTRIBUTION MATTRESS

Title (de)
DRUCKUMVERTEILUNG-MATRATZE

Title (fr)
MATELAS À RÉPARTITION DE PRESSION

Publication
EP 4066690 A1 20221005 (EN)

Application
EP 21166020 A 20210330

Priority
EP 21166020 A 20210330

Abstract (en)
There is described a pressure redistribution mattress (1) comprising an inner support structure (100) housing a pressure redistribution assembly (200) including a plurality of air cells (210) connected by means of a pressure redistribution system (250). The air cells (210) are spaced apart from one another to form gaps (210a) between the air cells (210) and the gaps (210a) are filled with supporting spacers (115) formed of an open-structured, non-foam supportive material allowing circulation of air and moisture.

IPC 8 full level
A47C 27/08 (2006.01); **A47C 21/04** (2006.01); **A47C 27/18** (2006.01); **A47C 27/22** (2006.01); **A47C 31/00** (2006.01)

CPC (source: EP US)
A47C 21/046 (2013.01 - EP US); **A47C 27/081** (2013.01 - EP); **A47C 27/18** (2013.01 - EP US); **A47C 27/22** (2013.01 - EP US); **A47C 31/006** (2013.01 - EP US)

Citation (applicant)
• WO 0062648 A1 20001026 - M P L LTD [US]
• US 6269505 B1 20010807 - WILKINSON JOHN W [US]
• US 5671492 A 19970930 - SIMON KEITH DOUGLAS [US]
• US 5634224 A 19970603 - GATES STEPHEN M [CA]

Citation (search report)
• [YD] WO 0062648 A1 20001026 - M P L LTD [US]
• [Y] DE 9409944 U1 19940915 - STEPPDECKENFABRIK KIRCHHOFF OH [DE]
• [A] DE 202004000702 U1 20040603 - SCHARF GUENTHER [DE]
• [A] DE 19954187 A1 20000531 - HECHLER PETER [DE]
• [A] FR 1082442 A 19541229
• [A] US 10631658 B2 20200428 - MALZL HANS [AT]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 4066690 A1 20221005; EP 4312668 A1 20240207; US 2024156278 A1 20240516; WO 2022208207 A1 20221006

DOCDB simple family (application)
EP 21166020 A 20210330; EP 22710179 A 20220314; IB 2022052278 W 20220314; US 202218552456 A 20220314