

Title (en)  
MATTRESS ASSEMBLY AND METHODS FOR ACTIVE VENTILATION OF A SUPPORT CUSHION

Title (de)  
STÜTZKISSEN UND VERFAHREN ZUR AKTIVEN BELÜFTUNG DAVON

Title (fr)  
COUSSINS DE SUPPORT ET PROCÉDÉS DE VENTILATION ACTIVE ASSOCIÉS

Publication  
**EP 3560389 A1 20191030 (EN)**

Application  
**EP 19180957 A 20150423**

Priority  

- EP 19180957 A 20150423
- EP 15890095 A 20150423
- US 2015027262 W 20150423

Abstract (en)  
A mattress assembly comprises a body supporting layer having a first surface and a second surface opposite the first surface, an upper base layer positioned adjacent to the second surface of the body supporting layer, the upper base layer defining one or more air conduits extending through the upper base layer and in fluid communication with the body supporting layer; a lower base layer positioned adjacent to the upper base layer (30) opposite the body supporting layer, the lower base layer defining a cavity extending through the lower base layer; a bottom layer positioned adjacent to the lower base layer opposite the upper base layer; and a fan positioned within the cavity in the lower base layer, characterized in that, the body supporting layer includes one or more porous foam inserts positioned over the one or more one or more air conduits defined by the upper base layer.

IPC 8 full level  
**A47C 21/04** (2006.01); **A47C 27/15** (2006.01)

CPC (source: EP US)  
**A47C 21/044** (2013.01 - EP US); **A47C 27/15** (2013.01 - EP US)

Citation (applicant)  

- US 8034445 B2 20111011 - LANDVIK DAG [SE], et al
- US 8025964 B2 20110927 - LANDVIK DAG [SE], et al
- US 7979374 B2 20110712 - LANDVIK DAG [SE]
- US 7735169 B2 20100615 - WASSILEFSKY GERDA [DK]
- US 7707670 B2 20100504 - FOGG DAVID C [US]
- US 7555615 B2 20090630 - LANDVIK DAG [SE]
- US 7507468 B2 20090324 - LANDVIK DAG [SE], et al
- US 7469437 B2 20081230 - MIKKELSEN TOM D [US], et al
- US 7444702 B2 20081104 - FOGG DAVID C [US]
- US 7415742 B2 20080826 - WASSILEFSKY GERDA [DK]
- US D558499 S 20080101 - MAARBJERG KIRSTEN [DK]
- US 7155765 B2 20070102 - FOGG DAVID C [US]
- US D529325 S 20061003 - MAARBJERG KIRSTEN [DK]
- US 7082633 B1 20060801 - MAARBJERG KIRSTEN [DK]
- US 7051389 B2 20060530 - WASSILEFKY GERDA [DK]
- US 6866915 B2 20050315 - LANDVIK DAG [SE]
- US 6764502 B2 20040720 - BIEBERICH MARK THOMAS [US]
- US 6602579 B2 20030805 - LANDVIK DAG [SE]
- US 6578218 B2 20030617 - WASSILEFSKY GERDA [DK]
- US 6541094 B1 20030401 - LANDVIK DAG [SE], et al
- US 6402775 B1 20020611 - BIEBERICH MARK THOMAS [US]
- US 6253401 B1 20010703 - BOYD DENNIS [US]
- US 5448788 A 19950912 - WU SHUENN-JENQ [TW]
- US D456660 S 20020507 - LANDVIK DAG [SE]
- US 2011252562 A1 20111020 - MIKKELSEN TOM D [US], et al
- US 2008028536 A1 20080207 - HADDEN-COOK CHARLESETTE [US]
- US 2007094803 A1 20070503 - FOGG DAVID C [US]
- US 2006288490 A1 20061228 - MIKKELSEN TOM D [US], et al
- US 2006277684 A1 20061214 - WASSILEFKY GERDA [DK]
- US 2006174414 A1 20060810 - MAARBJERG KIRSTEN [DK]
- US 2005202214 A1 20050915 - LANDVIK DAG [SE]
- US 2005084667 A1 20050421 - LANDVIK DAG [SE], et al
- US 2005076446 A1 20050414 - FOGG DAVID C [US]
- US 2004073931 A1 20040415 - TRUSSELL ROBERT B [US], et al
- US 2004033351 A1 20040219 - LANDVIK DAG [SE], et al
- US 2003171954 A1 20030911 - GUERIN JOEL F [US], et al
- US 2001021438 A1 20010913 - LANDVIK DAG [SE]
- WO 2008143467 A2 20081127 - KO SUNGJUN [KR]
- WO 2012160502 A1 20121129 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- US 5730120 A 19980324 - YONKERS JR JOHN L [US]
- US 8490233 B2 20130723 - ESSERS HEINZ-WILLY [DE]
- US D686723 S 20130723 - GULAU STEPHEN [US], et al
- US 2013025069 A1 20130131 - RUEHLMANN JAMES GERARD [US], et al

Citation (search report)  

- [A] JP 2005192883 A 20050721 - HITACHI HOME TEC LTD
- [A] WO 2010075230 A2 20100701 - TEMPUR PEDIC MAN INC [US], et al
- [A] US 2003019044 A1 20030130 - LARSSON STEFAN [SE], et al

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

DOCDB simple family (publication)

**WO 2016171692 A1 20161027**; AU 2015392446 A1 20171109; CN 107529895 A 20180102; EP 3285618 A1 20180228;  
EP 3285618 A4 20181031; EP 3285618 B1 20200108; EP 3560389 A1 20191030; HK 1247537 A1 20180928; US 2018098637 A1 20180412

DOCDB simple family (application)

**US 2015027262 W 20150423**; AU 2015392446 A 20150423; CN 201580079015 A 20150423; EP 15890095 A 20150423;  
EP 19180957 A 20150423; HK 18107171 A 20180531; US 201515568368 A 20150423