

Title (en)  
SYSTEMS FOR INTERNAL AIRBED STRUCTURE

Title (de)  
SYSTEME FÜR INTERNE LUFTMATRATZENSTRUKTUR

Title (fr)  
SYSTÈMES POUR STRUCTURE DE MATELAS D'AIR INTERNE

Publication  
**EP 3571962 B1 20230802 (EN)**

Application  
**EP 19185696 A 20161102**

Priority

- US 201662322560 P 20160414
- US 201615147625 A 20160505
- EP 16196895 A 20161102

Abstract (en)  
[origin: EP3231331A1] An air mattress (100) comprises an internal structure (200) for helping the air mattress (100) maintain a desired geometric shape when inflated and for preventing shearing of the top and bottom surfaces (110, 115) of the mattress (100). The internal structure (200) comprises a plurality of connection strips (210) or a mesh web (610) that are attached to a plurality of top surface connection points (215) and bottom surface connection points (225).

IPC 8 full level  
**A47C 27/08** (2006.01)

CPC (source: BR EP)  
**A47C 27/081** (2013.01 - EP); **A47C 27/084** (2013.01 - BR); **A47C 27/087** (2013.01 - BR EP)

Citation (examination)  
US 2015113736 A1 20150430 - COX BRIAN P [US], et al

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 3231331 A1 20171018; EP 3231331 B1 20190724**; AR 106646 A1 20180207; AU 2016253558 A1 20171102; AU 2016253558 B2 20220505; AU 2022204908 A1 20220728; AU 2022204908 B2 20240314; AU 2024203480 A1 20240613; BR 102016026367 A2 20190319; BR 102016026367 B1 20210112; CL 2018002867 A1 20181228; DK 3231331 T3 20191014; DK 3571962 T3 20231030; EP 3571962 A2 20191127; EP 3571962 A3 20191225; EP 3571962 B1 20230802; EP 4241622 A2 20230913; EP 4241622 A3 20231025; MX 2016014735 A 20180509

DOCDB simple family (application)  
**EP 16196895 A 20161102**; AR P160103429 A 20161110; AU 2016253558 A 20161101; AU 2022204908 A 20220708; AU 2024203480 A 20240524; BR 102016026367 A 20161110; CL 2018002867 A 20181009; DK 16196895 T 20161102; DK 19185696 T 20161102; EP 19185696 A 20161102; EP 23184663 A 20161102; MX 2016014735 A 20161110