

Title (en)
SYSTEMS AND METHODS FOR AIR MATTRESS TEMPERATURE CONTROL

Title (de)
SYSTEME UND VERFAHREN ZUR LUFTMATRATZENTEMPÉRATURREGULIERUNG

Title (fr)
SYSTÈMES ET PROCÉDÉS DE RÉGULATION DE TEMPÉRATURE DE MATELAS À AIR

Publication
EP 3175739 A1 20170607 (EN)

Application
EP 16198597 A 20161114

Priority
US 201514945665 A 20151119

Abstract (en)
An air temperature control system (20) controls the air temperature inside of an air mattress (10). The air temperature control system includes an air intake component (22) having inner and outer seals to inhibit or facilitate the flow of air into and out of the air mattress. The air temperature control system also includes a temperature control element in fluid communication with the air intake component. The temperature control element is positioned within the air mattress inside of the outer seal. The air temperature control system further includes a controller (24) configured to direct the air intake component to open and close the inner and outer seals and operation of the temperature control element.

IPC 8 full level
A47C 21/04 (2006.01); **A47C 27/08** (2006.01)

CPC (source: EP)
A47C 21/044 (2013.01); **A47C 27/082** (2013.01)

Citation (search report)

- [XYI] KR 20140020431 A 20140219 - ESOM CO LTD [KR]
- [Y] US 2014277611 A1 20140918 - NUNN ROB [US], et al
- [Y] US 8082615 B1 20111227 - ALKHATTAF SOLAIMAN B S A [KW]
- [Y] WO 2009122123 A1 20091008 - TALLEY GROUP LTD [GB], et al

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CN107136814A; US11241100B2

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

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