

Title (en)  
SUPPORT CUSHIONS INCLUDING THERMOELECTRIC ELEMENTS AND AIR CONDUITS, AND METHODS FOR CONTROLLING SURFACE TEMPERATURE OF SAME

Title (de)  
STÜTZKISSEN MIT THERMOELEKTRISCHEN ELEMENTEN UND LUFTLEITUNGEN SOWIE VERFAHREN ZUR STEUERUNG DER OBERFLÄCHENTEMPERATUR DAVON

Title (fr)  
COUSSINS DE SUPPORT COMPRENANT DES ÉLÉMENTS THERMOÉLECTRIQUES ET DES CONDUITS D'AIR, ET PROCÉDÉS POUR RÉGULER LEUR TEMPÉRATURE DE SURFACE

Publication  
**EP 3010377 A4 20170104 (EN)**

Application  
**EP 14814468 A 20140617**

Priority  
• US 201361836268 P 20130618  
• US 201361836245 P 20130618  
• US 2014042694 W 20140617

Abstract (en)  
[origin: WO2014204934A1] A support cushion for providing individualized heating and cooling to a user resting on the support cushion is provided. The support cushion includes a body supporting layer, a plurality of thermoelectric elements positioned and configured to selectively provide heating or cooling of the body supporting layer, a heat transfer layer positioned adjacent to the body supporting portion and operably connected to the thermoelectric elements, a base layer positioned adjacent to the heat transfer layer opposite the body supporting layer and defining one or more inlet and outlet conduits, and one or more fans operably connected to each of the outlet conduits. Methods of controlling the surface temperature of a support cushion are also provided.

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
• [X1] US 2007101729 A1 20070510 - AOKI SHINJI [JP], et al  
• [X1] WO 2012037031 A1 20120322 - TEMPRONICS INC [US], et al  
• [X1] US 6006524 A 19991228 - PARK YONG JAE [KR]  
• [AP] WO 2014062185 A1 20140424 - TEMPUR PEDIC MAN INC [US]

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)  
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**US 2014042694 W 20140617**; CA 2915828 A 20140617; CN 201480041002 A 20140617; EP 14814468 A 20140617; JP 2016521506 A 20140617; US 201414899244 A 20140617