

Title (en)

COUNTERWEIGHT MASSAGINGAND BUFFERING CONVECTIVE AIRBAG CUSHION

Title (de)

KONVEKTIVES GEGENGEWICHTSMASSAGE- UND PUFFERUNGSAIRBAGKISSEN

Title (fr)

COUSSIN DE SÉCURITÉ GONFLABLE À CONVECTION DE MASSAGE ET AMORTISSEMENT À CONTREPOIDS

Publication

EP 3248501 A4 20180228 (EN)

Application

EP 16884239 A 20160525

Priority

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- CN 2016083389 W 20160525

Abstract (en)

[origin: EP3248501A1] A convective air pad with weight balancing and massage buffering effect, which includes a pad body (1), convective air chamber (2) integrally and uniformly arranged on a surface side of the pad body (1), wherein the convective air chamber (2) is filled with gas, wherein the convective air chamber (2) includes airbag members (21), a convective channel (22) connected between each two adjacently positioned airbag members (21), and a ventilation gap (23) provided between each two adjacently positioned airbag members (21). Through the convective air chamber (2) on the pad body (1), the load-bearing portion is in direct contact with the convective air chamber (2) to provide a very strong weight reducing and pressure buffering effect, thus effectively reduce the stress from the load to the load-bearing portions. The convective air chamber (2) is formed by a number of interconnecting airbag members (21) so that the pressure can be dispersed effectively by gas movement through the convective channels (22), therefore the load is translated into massage effect on the load-bearing parts through the interconnecting airbag members (21) and hence the fatigue and pain in the load-bearing parts is greatly reduced. Moreover, since ventilation gap is formed between the airbag members (21), the contact area between the load-bearing parts is effectively reduced while a superior ventilation effect is provided, hence the heat is dissipated effectively and timely and the comfort level is increased.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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- [X] EP 2426047 A2 20120307 - ADVANCE KITES S R L [IT]
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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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DOCDB simple family (application)

EP 16884239 A 20160525; CN 2016083389 W 20160525; ES 16884239 T 20160525; JP 2017600085 U 20160525; KR 20187000074 U 20160525; US 201615542062 A 20160525