

Title (en)
AIR CUSHION

Title (de)
LUFTKISSEN

Title (fr)
COUSSIN PNEUMATIQUE

Publication
EP 0987965 A4 20020717 (EN)

Application
EP 97928855 A 19970604

Priority
US 9709742 W 19970604

Abstract (en)
[origin: WO9854995A1] A three-dimensional air cushion (1) having a sealed outer peripheral edge of a geometric shape. The projected area of the hollow interior (10) sealed by the outer peripheral edge is smaller than the upper surface area of the air cushion. Air chambers (10) are provided in an upper surface and a lower surface of the cushion, giving excellent buffering function. Two opposite sides of the cushion have a level higher than an intermediate portion to force an object in protect, or a shock source, to move to the center, with the shock energy converted into side support energy, thus obtaining great stability.

IPC 1-7
A43B 13/20; **A43B 21/28**

IPC 8 full level
A42B 3/12 (2006.01); **A43B 7/08** (2006.01); **A43B 7/32** (2006.01); **A43B 13/20** (2006.01); **A43B 21/28** (2006.01); **A43B 23/17** (2006.01); **A63B 71/08** (2006.01); **A63B 71/10** (2006.01); **A63B 71/12** (2006.01); **F16F 9/04** (2006.01)

CPC (source: EP KR)
A42B 3/121 (2013.01 - EP); **A43B 7/08** (2013.01 - KR); **A43B 13/203** (2013.01 - EP); **A43B 21/285** (2013.01 - EP); **A43B 23/029** (2013.01 - EP); **A43B 23/17** (2013.01 - EP); **A63B 71/081** (2013.01 - EP); **A63B 71/10** (2013.01 - EP); **A63B 71/12** (2013.01 - EP); **A63B 2071/1283** (2013.01 - EP)

Citation (search report)
• [XY] US 4187620 A 19800212 - SELNER ALLEN J [US]
• [Y] US 4217705 A 19800819 - DONZIS BYRON A [US]
• See references of WO 9854995A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9854995 A1 19981210; AT E371385 T1 20070915; AU 3301697 A 19981221; AU 730553 B2 20010308; CA 2293471 A1 19981210; DE 69738083 D1 20071011; DE 69738083 T2 20080521; EA 001675 B1 20010625; EA 199900940 A1 20010226; EP 0987965 A1 20000329; EP 0987965 A4 20020717; EP 0987965 B1 20070829; JP 2002500732 A 20020108; KR 100342745 B1 20020704; KR 20010013207 A 20010226; TR 199902947 T2 20000621

DOCDB simple family (application)
US 9709742 W 19970604; AT 97928855 T 19970604; AU 3301697 A 19970604; CA 2293471 A 19970604; DE 69738083 T 19970604; EA 199900940 A 19970604; EP 97928855 A 19970604; JP 53894798 A 19970604; KR 19997011194 A 19991130; TR 9902947 T 19970604