

Title (en)
Resilient shock-absorbing device

Title (de)
Elastisches schlagfestes Gerät

Title (fr)
Dispositif d'absorption souple des chocs

Publication
EP 2055204 A1 20090506 (EN)

Application
EP 07119699 A 20071031

Priority
EP 07119699 A 20071031

Abstract (en)
A resilient shock-absorbing device includes at least one layer of a composite unit (2, 2', 2a, 2b) including top and bottom faces (201, 201', 202, 202'), and a plurality of juxtaposed and interconnected resilient elongatemembers (21, 21', 21a, 21b) disposed between the top and bottom faces (201, 201', 202, 202'). Each of the resilient elongate members (21, 21', 21a, 21b) has an outer tube (211, 211', 211a), and a foam member (212, 212', 212a) disposed in the outer tube (211, 211', 211a) and extending along the length of the outer tube (211, 211', 211a).

IPC 8 full level
A43B 13/18 (2006.01); **A43B 13/20** (2006.01)

CPC (source: EP)
A43B 13/181 (2013.01); **A43B 13/187** (2013.01); **A43B 13/206** (2013.01)

Citation (applicant)
• US 6122785 A 20000926 - BONDIE PHILIP [US], et al
• US 2005268488 A1 20051208 - HANN LENN R [US]
• US 5713140 A 19980203 - BAGGENSTOSS ALOIS C [US]

Citation (search report)
• [X] US 6122785 A 20000926 - BONDIE PHILIP [US], et al
• [X] US 2005268488 A1 20051208 - HANN LENN R [US]
• [X] US 2004211088 A1 20041028 - VOLKART LAURO ALVICIO [BR]
• [X] US 5713140 A 19980203 - BAGGENSTOSS ALOIS C [US]

Citation (examination)
US 2005183287 A1 20050825 - SCHINDLER ERIC S [US]

Cited by
US11707108B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 2055204 A1 20090506

DOCDB simple family (application)
EP 07119699 A 20071031