

Title (en)

MECHANICAL CUSHIONING SYSTEM FOR FOOTWEAR

Title (de)

MECHANISCHES POLSTERUNGSSYSTEM FÜR FUSSBEKLEIDUNG

Title (fr)

SYSTEME AMORTISSEUR MECANIQUE POUR ARTICLE CHAUSSANT

Publication

EP 1871188 A1 20080102 (EN)

Application

EP 05725196 A 20050310

Priority

US 2005007877 W 20050310

Abstract (en)

[origin: WO2006098715A1] A midsole for footwear comprising a midsole element, which comprises a top plate, a bottom plate, and a plurality of strut members disposed between the top and bottom plates for supporting the top plate a distance away from the bottom plate. Adjacent strut members have a C shaped cross-section facing in the same direction. The midsole element may further comprise a heel cleft to increase the flexibility of the sole. In a preferred embodiment, the strut members on the medial side are arranged at an angle to the strut members on the lateral side of the sole. The directional design provides flexibility and stiffness anisotropically to the sole in the longitudinal and lateral directions of the sole respectively.

IPC 8 full level

A43B 13/18 (2006.01); **A43B 7/24** (2006.01)

CPC (source: EP)

A43B 7/24 (2013.01); **A43B 13/181** (2013.01)

Cited by

AU2020252399B2; WO2020206240A1; WO2022223936A1; FR3122182A1; WO2022223937A1; FR3122181A1; WO2022223935A1; FR3122183A1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006098715 A1 20060921; BR PI0520110 A2 20090422; CN 101141894 A 20080312; CN 101141894 B 20100901; EP 1871188 A1 20080102; EP 1871188 A4 20120815; EP 1871188 B1 20160518; JP 2008532618 A 20080821

DOCDB simple family (application)

US 2005007877 W 20050310; BR PI0520110 A 20050310; CN 200580049035 A 20050310; EP 05725196 A 20050310; JP 2008500688 A 20050310