

Title (en)

Athletic shoe sole and method of manufacture.

Title (de)

Sohle eines Sportschuhs und Verfahren zur Herstellung.

Title (fr)

Semelle pour chaussure athlétique et procédé de fabrication.

Publication

EP 0130816 A2 19850109 (EN)

Application

EP 84304472 A 19840629

Priority

US 50992183 A 19830701

Abstract (en)

An athletic shoe sole and a method of making the same which includes a pre-formed structure (20) having a plurality of dividers (22) that define a plurality of cells (24), the cells having therein an expanded, resilient material (40) such that the resilient material and therefore the sole has a varied hardness, the hardness being greater in zones (42) closer to the dividers than the hardness of zones (44) removed from the dividers. The preformed size and shape of the cells may vary throughout the extent of the sole, resulting in a gradually-varying average hardness. At least part of the compression properties may result from the mechanical properties of the dividers (22) themselves.

IPC 1-7

A43B 13/16

IPC 8 full level

A43B 5/06 (2006.01); **A43B 13/14** (2006.01); **A43B 13/16** (2006.01)

CPC (source: EP KR)

A43B 13/14 (2013.01 - KR); **A43B 13/16** (2013.01 - EP)

Cited by

US10350851B2; CN106942830A; EP1004252A1; US2022240621A1; US12082644B2; US4658515A; CN115334926A; EP3181002A1; EP3434131A1; US7536808B2; US11278081B2; WO9703582A1; US11730231B2; US10485302B2; US10568387B2; US11622600B2; US11744321B2; US11937664B2; WO2021202318A1; WO2009012004A3; US11930882B2; US11607009B2; US11930884B2; US10945488B2; US10952497B2; US11019879B2; US11253024B2; US11344079B2; US11786010B2; US7941941B2; US8613122B2; US9392845B2; US9955751B2; US12070097B2; US9642411B2; US9681696B2; US10021938B2; US11039658B2; US11503876B2; US10098411B2; US10098412B2; US10674788B2; US11096444B2; US11229260B2; US11304475B2; US11317675B2; US11324281B2; US11490681B2; US12053047B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0130816 A2 19850109; EP 0130816 A3 19850522; JP S6014805 A 19850125; KR 850000944 A 19850314

DOCDB simple family (application)

EP 84304472 A 19840629; JP 1499684 A 19840130; KR 840003784 A 19840630