

Title (en)
VARIABLE ADJUSTABLE SHOE INSERTS

Publication
EP 0173396 A3 19890322 (EN)

Application
EP 85201320 A 19850815

Priority
US 64382384 A 19840824

Abstract (en)
[origin: EP0173396A2] An orthotic appliance which engages a plantar surface of a person's foot which includes an initial blank having a top surface that generally follows the contour of the plantar surface of the person's foot, and a bottom surface having a zone of disparate resiliency adapted to receive thereon shock absorption enhancing instrumentalities and an underlying cap, all of which are fused together to form a laminate which encourages the foot to be cradled upon heel strike, allowing the transition from heel strike to mid-gait to occur with the foot in a neutral position, allowing elongation and preparing the foot for toe roll propulsive phase with associated shock absorption, and a sufficient resiliency to allow the insert to return to an initial state for the successive cycle.

IPC 1-7
A61F 5/14; A43B 17/02

IPC 8 full level
A63B 23/04 (2006.01); **A43B 7/22** (2006.01); **A43B 7/32** (2006.01); **A43B 13/18** (2006.01); **A43B 13/40** (2006.01); **A61H 1/02** (2006.01)

CPC (source: EP)
A43B 7/142 (2013.01); **A43B 7/143** (2013.01); **A43B 7/144** (2013.01); **A43B 7/1445** (2013.01); **A43B 7/22** (2013.01)

Citation (search report)
• [A] DE 1133278 C
• [A] US 4435910 A 19840313 - MARC MICHEL [US]
• [A] GB 1063039 A 19670322 - SCHOLL MEG CO LTD
• [A] FR 1207258 A 19600216
• [APD] US 4510700 A 19850416 - BROWN DENNIS N [US]
• [A] US 2021729 A 19351119 - JOHNSON CARL O
• [A] US 3416245 A 19681217 - FERREIRA JOSEPH J

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EP2437629A4; EP0516679A4; US2011277354A1; EP3970549A4; US8800168B1; US11134863B2; WO9831248A1; WO2006133894A3; WO2012174482A1; US9038482B2; US9576311B2; WO2008036397A3; US7958653B2; US8800169B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0173396 A2 19860305; EP 0173396 A3 19890322; AU 4571985 A 19860227; AU 581674 B2 19890302; CA 1249929 A 19890214; JP S61168301 A 19860730

DOCDB simple family (application)
EP 85201320 A 19850815; AU 4571985 A 19850802; CA 489329 A 19850823; JP 18566485 A 19850823