

Title (en)

Ankle flexion limiting device.

Title (de)

Vorrichtung zum Begrenzen der Knöchelbeugung.

Title (fr)

Dispositif pour limiter la flexion de la cheville.

Publication

**EP 0601234 A1 19940615 (EN)**

Application

**EP 92121188 A 19921211**

Priority

EP 92121188 A 19921211

Abstract (en)

A device for limiting dorsiflexion past a chosen, optimum angle while permitting further forward flexion of the leg relative to the sport shoe contact surface. The device is advantageously used with a sport shoe including a sole, a shell mounted to the sole for receipt of the user's foot and an upwardly extending movable tongue or cuff mounted to the shell. The sole includes an upper foot supporting surface. In one embodiment the tongue is positioned so that dorsiflexion of the user's leg causes the tongue to move forward. The tongue is coupled to the upper foot supporting surface so that dorsiflexion between an initial angle and an optimum angle is relatively unrestrained but further dorsiflexion past the optimum angle is minimized or eliminated by the concurrent lifting of the upper foot supporting surface. In another embodiment the sole is a unitary member and the upper foot supporting surface is a part of the sole. In this embodiment a tongue assembly stops dorsiflexion past an optimum angle. Further forward flexion of the leg relative to the sport shoe contact surface after the optimum dorsiflexion angle has been attained tends to raise the entire heel end of the sole.

<IMAGE>

IPC 1-7

**A43B 5/04**

IPC 8 full level

**A43B 5/04** (2006.01)

CPC (source: EP)

**A43B 5/0454** (2013.01)

Citation (search report)

- [A] US 4677769 A 19870707 - AHMAD EDDRESS [US], et al
- [A] WO 9219117 A2 19921112 - RIBARITS LADISLAUS PETER [AT]
- [A] WO 8002789 A1 19801224 - SPADEMAN R
- [A] US 4928405 A 19900529 - SPADEMAN RICHARD G [US]
- [A] US 4447968 A 19840515 - SPADEMAN RICHARD G [US]
- [A] FR 2544969 A1 19841102 - BAUDIN LEON [FR]

Designated contracting state (EPC)

AT CH DE FR IT LI

DOCDB simple family (publication)

**EP 0601234 A1 19940615**

DOCDB simple family (application)

**EP 92121188 A 19921211**