

Title (en)
SPRING-LOADED RUNNING AND JUMPING SHOE

Publication
EP 0103041 B1 19860312 (DE)

Application
EP 82108456 A 19820914

Priority
EP 82108456 A 19820914

Abstract (en)
[origin: US4534124A] An athletic shoe, particularly for running and jumping, including an upper sole, a separate lower sole beneath the upper sole and a leaf spring of approximately the width of the shoe connecting the upper and lower soles. One end of the leaf spring is fastened to one end of the upper sole, such as the front end, while the other end of the leaf spring is fastened to the opposite end of the lower sole. The opposite surfaces of the upper and lower soles facing the spring may be arcuately curved. The spring may be arcuately curved. The upper sole may be fastened to the shoe over the entire length of the upper sole or only at the front of the shoe, e.g. at a joint. Additional springs may be disposed between the upper and lower soles.

IPC 1-7
A63B 25/10; **A43B 5/00**

IPC 8 full level
A43B 13/18 (2006.01); **A63B 25/10** (2006.01)

CPC (source: EP US)
A43B 13/18 (2013.01 - EP US); **A43B 13/183** (2013.01 - EP US); **A43B 13/184** (2013.01 - EP US); **A63B 25/10** (2013.01 - EP US)

Cited by
CN110099582A; US5367790A; US5060401A; US2018369056A1; US11564857B2; ES2440089A1; US6029374A; GB2171288A; US5279051A; GB2179235A; GB2179235B; US6925732B1; US9656110B2; WO2009097589A1; WO9111927A1; WO2015101694A1; US8617033B2; US10493316B2; US9247784B2; US10426997B2

Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
EP 0103041 A1 19840321; **EP 0103041 B1 19860312**; AT E18508 T1 19860315; DE 3269840 D1 19860417; US 4534124 A 19850813

DOCDB simple family (application)
EP 82108456 A 19820914; AT 82108456 T 19820914; DE 3269840 T 19820914; US 53161283 A 19830912