

Title (en)  
SPORTS SHOE PROVIDED WITH A PNEUMATIC CHARGING DEVICE

Publication  
**EP 0241772 B1 19921119 (DE)**

Application  
**EP 87104370 A 19870325**

Priority  
DE 3613153 A 19860418

Abstract (en)  
[origin: US4763426A] There is a sports shoe with a sole (4) and an inflating device which is arranged under a convex part of the foot (3) and delimits a compression chamber (16) with a chamber body (1) as well as a chamber roof (14), the compression chamber having an inlet opening (17) and an outlet opening (18). It is desirable to improve the effect of the inflating device by minimizing the clearance space in the compression chamber. This is accomplished by forming the compression chamber (16) as a semi-lentil-shaped (dished) bowl which is conformed to fit the convex contour of the region of the foot (3) loading it and by having the inlet opening (17) as well as the outlet opening (18) arranged in the central area of the chamber (16). Since, on compression, the chamber cover will hug the bottom of the compression chamber, it is possible to produce a positive pressure commensurate with the down-stepping force applied.

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**A43B 13/20**

IPC 8 full level  
**A43B 5/00** (2006.01); **A43B 7/06** (2006.01); **A43B 13/20** (2006.01)

CPC (source: EP KR US)  
**A43B 13/14** (2013.01 - KR); **A43B 13/203** (2013.01 - EP US); **A43B 13/206** (2013.01 - EP US)

Cited by  
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