

Title (en)  
Shoe.

Title (de)  
Schuh.

Title (fr)  
Chaussure.

Publication  
**EP 0059660 A1 19820908 (FR)**

Application  
**EP 82400288 A 19820218**

Priority  
FR 8103430 A 19810220

Abstract (en)  
1. Shoe comprising a part (1) which surrounds the foot at least partially and holds it in position, an insole, a sole (2), between the insole and the sole, a filling between the foot and the sole, an elastic cambering insert (20) in the form of a helix enabling the sole of the foot to be blocked inside the shoe, the rear part (21) of the insert being raised towards the inside of the shoe and the front part (22) of the insert being raised towards the outside of the shoe, characterized in that a difference in level is provided between the antero-internal part (20d) and the postero-external part (20e) of the insert, in order to improve propulsion of the foot.

Abstract (fr)  
La chaussure comprend une première, une semelle, un remplissage entre les deux et un cambrion élastique (20) en forme d'hélice dans le remplissage. La partie postérieure (21) du cambrion est relevée vers l'intérieur et sa partie antérieure (22) est relevée vers l'extérieur. La partie antéro-interne (20d) et la partie postéro-externe (20e) du cambrion ne sont pas au même niveau. Le cambrion joue un rôle de levier (20d-20e) qui améliore la propulsion du pied.

IPC 1-7  
**A43B 7/14**; **A43B 23/22**; **A43B 13/22**

IPC 8 full level  
**A43B 5/00** (2006.01); **A43B 7/14** (2006.01); **A43B 13/22** (2006.01); **A43B 23/22** (2006.01)

CPC (source: EP)  
**A43B 5/00** (2013.01); **A43B 7/14** (2013.01); **A43B 7/141** (2013.01); **A43B 7/1425** (2013.01); **A43B 7/144** (2013.01); **A43B 7/145** (2013.01); **A43B 13/226** (2013.01)

Citation (search report)  
• [A] US 3550597 A 19701229 - COPLANS CARL WADDINGTON  
• [A] US 2601509 A 19520624 - FISHER FREDERICK F  
• [A] US 2426735 A 19470902 - HISS JOHN M  
• [X] FR 2409714 A1 19790622 - UNIROYAL GMBH [DE], et al

Cited by  
FR2757024A1; EP0108278A1; AT397602B; WO9825494A1

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

DOCDB simple family (publication)  
**EP 0059660 A1 19820908**; **EP 0059660 B1 19841024**; AT E9951 T1 19841115; DE 3261017 D1 19841129; ES 263261 U 19821101; ES 263261 Y 19830416; FR 2500277 A1 19820827; FR 2500277 B1 19840824

DOCDB simple family (application)  
**EP 82400288 A 19820218**; AT 82400288 T 19820218; DE 3261017 T 19820218; ES 263261 U 19820216; FR 8103430 A 19810220