

Title (en)
ARTICLE OF FOOTWEAR HAVING IMPROVED MIDSOLE

Title (de)
SCHUH MIT VERBESSERTER INNENSOHLE

Title (fr)
CHAUSSURES A SEMELLE INTERNE AMELIOREE

Publication
EP 0594589 B1 19991027 (EN)

Application
EP 91904105 A 19910204

Priority
• US 9100590 W 19910204
• US 47773290 A 19900209

Abstract (en)
[origin: WO9111928A1] A midsole, partial midsole, or the like (10), for inclusion in an article of footwear having a flexible, air-permeable top sole, characterized by at least one plug (11) in the heel region having a thickness (height) sufficient to permit significant compression deformation along its thickness dimension accompanied by simultaneous significant bulging deformation in its circumscribing surface perpendicular to the thickness dimension; the deformations occurring solely due to normal walking activity by any wearer of the footwear; and the deformations thereby providing simultaneously for shock-absorption and ventilation during said normal walking activity.

IPC 1-7
A43B 13/14; **A43B 13/20**; **A43B 7/06**

IPC 8 full level
A43B 7/06 (2006.01); **A43B 13/14** (2006.01); **A43B 13/18** (2006.01); **A43B 13/20** (2006.01)

CPC (source: EP KR)
A43B 7/081 (2013.01 - EP); **A43B 13/14** (2013.01 - KR); **A43B 13/187** (2013.01 - EP); **A43B 13/206** (2013.01 - EP)

Cited by
EP4186389A1; CN108289524A

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

DOCDB simple family (publication)
WO 9111928 A1 19910822; AT E185951 T1 19991115; AU 648064 B2 19940414; AU 7242691 A 19910903; BR 9106003 A 19921020; CA 2075989 A1 19910810; CN 1053884 A 19910821; CS 31791 A3 19920318; CZ 280447 B6 19960117; DE 69131755 D1 19991202; EP 0594589 A1 19940504; EP 0594589 A4 19921021; EP 0594589 B1 19991027; FI 923565 A0 19920807; FI 923565 A 19920807; GR 1001110 B 19930428; GR 910100070 A 19920630; HU 9202576 D0 19930528; HU T63545 A 19930928; IN 175339 B 19950610; JP H05503451 A 19930610; KR 0148225 B1 19980817; KR 920702948 A 19921217; PL 167270 B1 19950831; PL 289003 A1 19910923; RO 109029 B1 19941130; RU 2085096 C1 19970727; YU 20891 A 19950131

DOCDB simple family (application)
US 9100590 W 19910204; AT 91904105 T 19910204; AU 7242691 A 19910204; BR 9106003 A 19910204; CA 2075989 A 19910204; CN 90104876 A 19900725; CS 31791 A 19910208; DE 69131755 T 19910204; EP 91904105 A 19910204; FI 923565 A 19920807; GR 910100070 A 19910208; HU 257691 Q 19910204; HU 257692 A 19910204; IN 126CA1991 A 19910208; JP 50446991 A 19910204; KR 920701886 A 19920806; PL 28900391 A 19910208; RO 9201078 A 19910204; SU 5053045 A 19910204; YU 20891 A 19910207