

Title (en)  
Slip-resistant sole for footwear.

Title (de)  
Rutschsichere Sohle für Schuhwerk.

Title (fr)  
Semelle antidérapante pour chaussure.

Publication  
**EP 0383489 B1 19950503 (EN)**

Application  
**EP 90301356 A 19900208**

Priority  
GB 8903595 A 19890216

Abstract (en)  
[origin: EP0383489A1] An anti-slip sole has intersecting sinuous grooves (14), (16) defining a pattern of cleats (18) having non-linear edges. The sole exhibits good slip resistance on tiled surfaces contaminated with cooking oils or grease.

IPC 1-7  
**A43B 13/22**; **A43B 13/12**

IPC 8 full level  
**A43B 13/12** (2006.01); **A43B 13/22** (2006.01)

CPC (source: EP)  
**A43B 13/12** (2013.01); **A43B 13/223** (2013.01)

Cited by  
US2019208859A1; EP0838168A3; CN102578759A; CN102578760A; US10986891B2; US2014041261A1; US9717303B2; EP3275328A4; USD905411S; US10004294B2; USD905406S; USD905408S; USD912954S; USD859798S; WO2019136237A1; WO2013028287A1; US7627961B2; US10448705B2; US8931187B2; US9872536B2; TWI394540B; US8726540B2; US8826566B2; US8984773B2

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

DOCDB simple family (publication)  
**EP 0383489 A1 19900822**; **EP 0383489 B1 19950503**; AT E121911 T1 19950515; AU 5091190 A 19900905; DE 69019021 D1 19950608; DE 69019021 T2 19951214; DK 0383489 T3 19950814; GB 2228178 A 19900822; GB 2228178 B 19931027; GB 8903595 D0 19890405; PT 93114 A 19900831; WO 9009116 A1 19900823

DOCDB simple family (application)  
**EP 90301356 A 19900208**; AT 90301356 T 19900208; AU 5091190 A 19900208; DE 69019021 T 19900208; DK 90301356 T 19900208; GB 8903595 A 19890216; GB 9000197 W 19900208; PT 9311490 A 19900209