

Title (en)  
Shoe bottom for a sports shoe.

Title (de)  
Schuhboden für Sportschuhe.

Title (fr)  
Fond de chaussure pour chaussure de sport.

Publication  
**EP 0278094 B2 19951115 (DE)**

Application  
**EP 87118557 A 19871215**

Priority  
DE 3703858 A 19870207

Abstract (en)  
[origin: EP0278094A2] 1. A shoe bottom, in particular for sports shoes, which in the shank (5) has weak locations (6, 7) for reducing the torsional stiffness about an axis extending substantially in the longitudinal direction of the shoe, in order to permit twisting, which is adapted to the natural movement of the foot, of the front sole portion (3) relative to the rear sole portion (4), about said axis, characterised in that the shank (5) of the shoe bottom (1, 2) is stiffened against bending about an axis extending transversely with respect to the longitudinal direction of the shoe by a striplike or rod-like stiffening element (9) which is directed in the longitudinal direction of the shoe.

IPC 1-7  
**A43B 13/18**

IPC 8 full level  
**A43B 5/00** (2006.01); **A43B 13/14** (2006.01); **A43B 13/18** (2006.01); **A43B 13/42** (2006.01)

CPC (source: EP KR)  
**A43B 13/14** (2013.01 - KR); **A43B 13/141** (2013.01 - EP); **A43B 13/18** (2013.01 - KR)

Cited by  
GB2230935A; US8453344B2; WO9513720A1; US7421805B2; US7818897B2

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

DOCDB simple family (publication)  
**EP 0278094 A2 19880817; EP 0278094 A3 19881005; EP 0278094 B1 19900516; EP 0278094 B2 19951115**; AT E52668 T1 19900615; AU 1133288 A 19880811; AU 593163 B2 19900201; BR 8800441 A 19880920; CN 1020668 C 19930519; CN 88100614 A 19881123; CS 268548 B2 19900314; CS 74888 A2 19890613; DD 267422 A5 19890503; DE 3703858 A1 19880818; DE 3703858 C2 19881215; DE 3762693 D1 19900621; DK 165218 B 19921026; DK 165218 C 19930308; DK 60988 A 19880808; DK 60988 D0 19880205; ES 2015037 B3 19900801; ES 2015037 T5 19960316; FI 880344 A0 19880126; FI 880344 A 19880808; HU T57565 A 19911230; IE 61067 B1 19940921; IE 880220 L 19880807; JP H0412961 B2 19920306; JP S63194602 A 19880811; KR 880009600 A 19881004; KR 910008959 B1 19911026; MY 102195 A 19920430; NO 166351 B 19910402; NO 166351 C 19910710; NO 880284 D0 19880125; NO 880284 L 19880808; NZ 223425 A 19900926; PL 270439 A1 19881208; PT 86504 A 19880201; PT 86504 B 19911231; SU 1667624 A3 19910730; TR 23089 A 19890313; YU 9788 A 19900630; ZA 88824 B 19880805

DOCDB simple family (application)  
**EP 87118557 A 19871215**; AT 87118557 T 19871215; AU 1133288 A 19880205; BR 8800441 A 19880204; CN 88100614 A 19880205; CS 74888 A 19880205; DD 31269288 A 19880205; DE 3703858 A 19870207; DE 3762693 T 19871215; DK 60988 A 19880205; ES 87118557 T 19871215; FI 880344 A 19880126; HU 23188 A 19880121; IE 22088 A 19880127; JP 1943188 A 19880129; KR 870015505 A 19871231; MY PI19880032 A 19880115; NO 880284 A 19880125; NZ 22342588 A 19880205; PL 27043988 A 19880203; PT 8650488 A 19880107; SU 4355044 A 19880126; TR 89887 A 19871231; YU 9788 A 19880120; ZA 88824 A 19880205