

Title (en)  
Sole for sportsshoe

Title (de)  
Sohle für Sportschuh

Title (fr)  
Semelle de chaussure de sport

Publication  
**EP 0913103 B1 20041222 (FR)**

Application  
**EP 98116925 A 19980908**

Priority  
• FR 9713748 A 19971029  
• FR 9807541 A 19980610

Abstract (en)  
[origin: EP0913103A1] Shoe sole has transverse connection spindles (10,20) anchored into the shoe. Independent anchoring device are located along a plane perpendicular to the sole longitudinal axis (2). Each connection is constituted by a U-shaped loop having a transverse branch (11,21) defining pivoting axis and two lateral branches (12,22). Each lateral branch is anchored in a direction vertical to the inside of the sole.

IPC 1-7  
**A43B 5/04**

IPC 8 full level  
**A43B 5/04** (2006.01)

CPC (source: EP US)  
**A43B 5/0411** (2013.01 - EP US); **A43B 5/0413** (2013.01 - EP US)

Citation (examination)  
• US 5664797 A 19970909 - HAUGHLIN BERNT-OTTO [NO]  
• US 4959913 A 19901002 - PROVENCE MARC [FR], et al  
• WO 9409660 A1 19940511 - ROSSIGNOL SA [FR], et al  
• DE 2622966 B1 19770414 - DASSLER ADOLF  
• US 4930233 A 19900605 - PROVENCE MARC [FR]

Cited by  
EP1842442A1; FR2899443A1; CN102553205A; WO2004089481A2; EP1762282A1; US7967324B2; US7661695B2; FR2865660A1; EP1559456A1; EP1388356A1; FR2843310A1; EP1488831A1; US7111865B2; US7264264B2; EP1935461A1; US7909352B2; US7931292B2; EP1702658A1; US7832754B2; EP4292681A1; FR3136383A1; EP3708230A1; FR3093648A1

Designated contracting state (EPC)  
AT CH DE FI FR IT LI NL SE

DOCDB simple family (publication)  
**EP 0913103 A1 19990506; EP 0913103 B1 20041222**; AT E285184 T1 20050115; DE 69828243 D1 20050127; DE 69828243 T2 20051208; FR 2770097 A1 19990430; FR 2770097 B3 20000107; NO 312742 B1 20020701; NO 984933 D0 19981023; NO 984933 L 19990430; US 6289610 B1 20010918

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