

Title (en)

Hollow sole filled with resilient beads for shoes for massaging the feet.

Title (de)

Sohle mit elastische Kugeln enthaltendem Hohlraum für Schuhwerk zum Massieren des Fusses.

Title (fr)

Semelage à cavité interne contenant des billes souples pour chaussures diverses permettant de masser le pied.

Publication

EP 0383685 B1 19940427 (FR)

Application

EP 90400404 A 19900214

Priority

FR 8901908 A 19890214

Abstract (en)

[origin: EP0383685A1] Beads (5) in firm flexible material with elastic return are accommodated in at least one cavity (3; 16) of the sole which extends over at least a part of the length, the beads being distributed in at least one layer (8; 9; 10) with a clearance which is sufficient but restricted so that they can roll over a short distance. <IMAGE>

IPC 1-7

A43B 13/18

IPC 8 full level

A43B 13/18 (2006.01)

CPC (source: EP)

A43B 7/146 (2013.01); **A43B 13/181** (2013.01); **A43B 13/187** (2013.01)

Cited by

US6532689B1; FR3063603A1; US11344076B2; CN103251172A; EP1037542A4; US7318291B2; CN107006942A; CN105962531A; CN105962532A; US2013072835A1; US10076460B2; US7152342B2; US6219941B1; CN106858899A; US7069672B2; US11116275B2; USD910290S; US11071672B2; USD911682S; US9192205B2; US11666113B2; USD960541S; US2018077997A1; US2018092432A1; CN108348036A; US10098411B2; WO2018163067A1; WO0247601A1; WO2010095994A1; US11291273B2; US11832684B2; US7797782B2; US11607009B2; WO9746125A3; WO2013138235A1; US8602274B2; US9585437B2; USD944504S; US11346028B2; US11622600B2; US11744321B2; USD907344S; USD909723S; USD921342S; USD922042S; USD953710S; WO2004030930A1; WO2017053674A1; US8151488B2; US8601720B2; US8707493B2; US9480295B2; USD911683S; USD953709S; US7334298B2; US10098412B2; US10674788B2; US11096444B2; US11229260B2; US11304475B2; US11317675B2; US11324281B2; US11490681B2; US10834991B2; US10834992B2; US11129433B2; US11678712B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0383685 A1 19900822; **EP 0383685 B1 19940427**; AT E104834 T1 19940515; DE 69008385 D1 19940601; DE 69008385 T2 19941208; FR 2642941 A1 19900817; FR 2642941 B1 19920731

DOCDB simple family (application)

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