

Title (en)

Process and means for making and using of footwear bipolar lasts, particularly adapted to self extending to stress the shoe or the like being shaped, and lasts obtained with such process and means.

Title (de)

Verfahren und Vorrichtung zum Herstellen und Gebrauchen von zweiteiligen Selbstausdehnenden Schuhleisten zum Spannen des Schuhs und durch das Verfahren und die Vorrichtungen hergestellte Leisten.

Title (fr)

Procédé et appareils pour fabriquer et utiliser des formes de chaussure extensibles pour tendre la chaussure et formes fabriquées par le procédé et les appareils.

Publication

**EP 0267606 A1 19880518 (EN)**

Application

**EP 87116712 A 19871112**

Priority

IT 8365886 A 19861112

Abstract (en)

A footwear bipolar last, is adapted to self extending and to stress the shoe or the like being worked thereon. The coupling (333) provided between the two polar bodies (2, 2') of the shoe last (2, 333, 2') comprises at least a longitudinal guide (3) substantially axial which adjusts the shifting between the two components (2, 2') in a range comprised between 5 mm and 30 mm, keeping them in line and in the same direction and comprising a spring (30) which permanently and intensely forces the two polar bodies (2, 2') in the most mutually allowable far apart position.

IPC 1-7

**A43D 3/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] FR 587890 A 19250425 - H MARIOTTE ET CIE ETS
- [X] DE 695922 C 19400912 - JOHANN SCHOENHOFF
- [X] FR 695385 A 19301216
- [A] US 2546148 A 19510327 - BOWZER AUGUSTUS M
- [A] GB 948704 A 19640205 - ARMIN WINKLE, et al
- [A] FR 718748 A 19320128 - LEON PLE
- [A] US 1511053 A 19241007 - DUCHEMIN GEORGE W
- [A] US 2551773 A 19510508 - TOPHAM LAURENCE E
- [A] FR 2142313 A5 19730126 - TECH CUIR CENTRE
- [A] US 1587065 A 19260601 - GEORGE CLAUSING
- [A] US 1454160 A 19230508 - JEREMIAH FITZPATRICK, et al

Cited by

FR2854546A1; EP0509475A1; EP1466711A1; EP1044622A1; WO2004098339A3; WO9517110A1

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EP 0290514 A1 19881117; IL 84404 A0 19880429; IL 84404 A 19920621; IT 1215129 B 19900131; IT 8683658 A0 19861112;  
PT 86118 A 19881215; WO 8803372 A1 19880519

DOCDB simple family (application)

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EP 87907324 A 19871112; IL 8440487 A 19871109; IT 8365886 A 19861112; PT 8611887 A 19871111