

Title (en)

Energy-storing shoe-bottom construction for security shoes

Title (de)

Energieaufnehmende Schuh-Unterkonstruktion für Sicherheitsschuhe

Title (fr)

Construction inferieure de chaussure absorbant l'énergie pour chaussures de sécurité

Publication

EP 0875164 B1 20030115 (DE)

Application

EP 98107271 A 19980421

Priority

DE 29707398 U 19970424

Abstract (en)

[origin: EP0875164A1] The lower shoe construction is designed especially for safety shoes. The heel includes an energy absorber (16) to protect against impulse- or mechanical shock injuries in the heel or ankle regions. The device has a stiff, elastic deformation characteristic, with a force/distance function having a steeply-rising onset and subsequently degressive form. Preferably, the energy absorbent material is an insert embedded in a soft elastic substance, especially polyurethane, used in the sole construction. The insert is hollow and made of two parts, joined together. It may be made in an injected plastic with hardness of 60-70 Shore-D, using e.g. polyamide, polypropylene and/or polyoxymethylene.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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