

Title (en)

Toe-caps for safety shoes.

Title (de)

Zehenkappe für Sicherheitsschuhe.

Title (fr)

Bouts durs pour chaussures de sécurité.

Publication

EP 0614623 A1 19940914 (EN)

Application

EP 94102424 A 19940217

Priority

JP 3823793 A 19930226

Abstract (en)

A toe-cap for a safety shoe or boot is disclosed. In order to provide a toe-cap which is light and has sufficient strength, the toe-cap is made of a composite material comprising a fiber-reinforced thermoplastic resin (7) and at least one wire mesh (4) having a size of 7 to 200 meshes and embedded in the fiber-reinforced thermoplastic resin. In a preferred embodiment, the fiber-reinforced thermoplastic resin comprises a long-fiber reinforced thermoplastic layer (1) having reinforcing long fibers (5) incorporated therein and a short-fiber reinforced thermoplastic layer (2) having reinforcing short fibers (6) incorporated therein, and the wire mesh (4) is embedded in the short-fiber reinforced thermoplastic layer (2). <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

A43B 23/086 (2013.01)

Citation (search report)

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