

Title (en)

Shoe spike assembly having cushioning device

Title (de)

Dorne für Schuhe mit Dämpfungsvorrichtung

Title (fr)

Crampon pour chaussure avec dispositif amortisseur

Publication

**EP 1240839 A1 20020918 (EN)**

Application

**EP 01105424 A 20010313**

Priority

EP 01105424 A 20010313

Abstract (en)

A spike (10) includes a fastener (11) for securing to a shoe sole (70), and a lower stem (12) for securing a cap (20). A cushioning pad (30) is engaged between the cap (20) and the spike (10), or another cushioning pad (32) is engaged between the cap (20) and the stem (12) for the shocks transmitted from the cap (20) to the spike (10) or to the stem (12). The cap (20) includes one or more catches (22) for catching a head (14) of the stem (12) and for rotatably catching and securing the cap (20) to the stem (12). <IMAGE>

IPC 1-7

**A43C 15/16**

IPC 8 full level

**A43B 13/18** (2006.01); **A43C 15/16** (2006.01)

CPC (source: EP)

**A43B 13/181** (2013.01); **A43C 15/161** (2013.01); **A43C 15/168** (2013.01)

Citation (search report)

- [A] DE 4014064 A1 19911107 - ADIDAS AG [DE]
- [A] DE 2405170 A1 19750807 - NEUMAYER HERBERT
- [A] US 2911738 A 19591110 - CLERKE JOHN A
- [A] EP 0081067 A2 19830615 - ADIDAS SPORTSCHUHE [DE]
- [A] EP 0451379 A1 19911016 - CHEN CHI MING [TW]
- [A] EP 0360202 A1 19900328 - LOTTO SPA [IT]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1240839 A1 20020918**; **EP 1240839 B1 20040728**; AT E271796 T1 20040815; DE 60104515 D1 20040902; DE 60104515 T2 20050929

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