

Title (en)

IMPROVED TRACTION CLEAT FOR FIELD SPORTS

Title (de)

STOLLEN MIT VERBESSERTER BODENHAFTUNG FÜR FELDSPORTARTEN

Title (fr)

CRAMPON DE TRACTION AMÉLIORÉ POUR SPORTS DE PLEIN AIR

Publication

EP 2247208 A4 20131002 (EN)

Application

EP 09715301 A 20090226

Priority

- US 2009035252 W 20090226
- US 3141208 P 20080226

Abstract (en)

[origin: US2009211118A1] A cleat for use with an athletic shoe includes a hub, a stud of substantially non-flexible material and extending downwardly and away from a lower surface of the hub, a cleat connector extending upwardly and from an upper surface of the hub and configured to engage a shoe-mounted mating connector disposed on a sole of the shoe, the upper surface opposing the lower surface of the hub, and at least one dynamic traction element extending downwardly from the lower surface of the hub and adapted to flex upwardly when the cleat is connected to a shoe and the at least one dynamic traction element is forced downwardly to contact a ground surface due to a weight load applied to a shoe. The distal end of the stud extends further from the lower surface of the hub than the distal end of each unflexed dynamic traction element such that, when the shoe to which the cleat is connected is forced downward toward the ground surface, the stud contacts and/or begins to penetrate the ground surface to provide initial traction before each dynamic traction element makes contact with the ground surface.

IPC 8 full level

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CPC (source: EP US)

A43C 15/16 (2013.01 - EP US); **A43C 15/161** (2013.01 - EP US); **A43C 15/165** (2013.01 - EP US); **A43C 15/167** (2013.01 - EP US); **A43C 15/168** (2013.01 - EP US)

Citation (search report)

- [X1] US 5940993 A 19990824 - RONCI FERNANDO F [US]
- [X1] DE 2540426 A1 19770317 - KAESTLE BERTHOLD
- [A] US 5926980 A 19990727 - ADAM JOHN M [US]
- [A] US 6904707 B2 20050614 - MCMULLIN FARIS W [US]
- See references of WO 2009108756A1

Designated contracting state (EPC)

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