

Title (en)

ANTI-SLIP DEVICE HAVING RETRACTABLE SPIKES

Title (de)

RUTSCHFESTE VORRICHTUNG MIT EINZIEHBAREN SPIKES

Title (fr)

DISPOSITIF ANTIDÉRAPANT À CRAMPONS ESCAMOTABLES

Publication

**EP 2833753 A1 20150211 (EN)**

Application

**EP 13773155 A 20130403**

Priority

- SE 1250333 A 20120403
- SE 2013050368 W 20130403

Abstract (en)

[origin: WO2013151495A1] A device for slip-damping effect, comprising a sole unit and a spike with a resilient, circumferential fastening which allows the spike to be tilted in case of shearing motion against the ground surface, wherein the device provides grip on hard ground surfaces as a result of the sole unit, and at the same time the risk of slipping on hard, slippery ground surfaces is reduced by the spike.

IPC 8 full level

**A43C 15/08** (2006.01); **A43B 13/36** (2006.01); **A61H 3/02** (2006.01)

CPC (source: EP SE US)

**A43B 13/26** (2013.01 - EP SE US); **A43C 15/06** (2013.01 - EP US); **A43C 15/08** (2013.01 - SE US); **A43C 15/14** (2013.01 - US); **A43C 15/168** (2013.01 - EP US); **A45B 9/04** (2013.01 - EP US); **A61H 3/0288** (2013.01 - EP US); **A61H 3/02** (2013.01 - SE)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2013151495 A1 20131010**; CA 2868971 A1 20131010; EP 2833753 A1 20150211; EP 2833753 A4 20151125; SE 1250333 A1 20131004; SE 536611 C2 20140325; US 2015059207 A1 20150305

DOCDB simple family (application)

**SE 2013050368 W 20130403**; CA 2868971 A 20130403; EP 13773155 A 20130403; SE 1250333 A 20120403; US 201314390686 A 20130403