

Title (en)
ANTI-SLIP UNIT AND FUNCTIONAL SHOES INCLUDING THE SAME

Title (de)
RUTSCHHEMMENDE EINHEIT UND FUNKTIONALE SCHUHE DAMIT

Title (fr)
UNITÉ ANTIDÉRAPAGE ET CHAUSSURES FONCTIONNELLES LA COMPRENANT

Publication
EP 3590378 B1 20210602 (EN)

Application
EP 19184045 A 20190703

Priority
KR 20180078083 A 20180705

Abstract (en)
[origin: EP3590378A1] An anti-slip unit included in soles of shoes to provide an anti-slip function for the shoes includes a main body including an inner space and a spike through-hole connecting the inner space and the outside, a spike provided in the inner space so as to be movable along the spike through-hole, and a movable member that is provided in the inner space so as to be movable and that moves to allow the spike to be moved. The movable member moves between a first position in which at least part of the spike is concealed in the inner space and a second position in which the spike is exposed outside the main body and an exposed state of the spike is maintained. The spike may be concealed in, or exposed outside, the above-configured anti-slip unit of the present disclosure, and a user may simply and conveniently manipulate the anti-slip unit.

IPC 8 full level
A43C 15/14 (2006.01)

CPC (source: CN EP KR US)
A43B 3/246 (2013.01 - CN); **A43C 13/04** (2013.01 - KR); **A43C 15/02** (2013.01 - CN KR); **A43C 15/06** (2013.01 - KR);
A43C 15/14 (2013.01 - CN EP US); **A43C 15/162** (2013.01 - US)

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

DOCDB simple family (publication)
EP 3590378 A1 20200108; EP 3590378 B1 20210602; CN 110680044 A 20200114; KR 101973324 B1 20190426; US 2020008536 A1 20200109

DOCDB simple family (application)
EP 19184045 A 20190703; CN 201910606316 A 20190705; KR 20180078083 A 20180705; US 201916502377 A 20190703