

Title (en)

Loop for shoelace utilizing asymmetric pulley

Title (de)

Schlaufe für Schuhband durch Verwendung eines asymmetrischen Zugriemens

Title (fr)

Boucle pour lacet utilisant une poulie asymétrique

Publication

**EP 2508094 A2 20121010 (EN)**

Application

**EP 12163239 A 20120404**

Priority

KR 20110002816 U 20110404

Abstract (en)

A loop for a shoelace utilizing an asymmetric pulley, including: a plurality of shoelace loops mounted to each of eyelet tabs of a shoe using respective rivets, wherein each of the shoelace loops includes: an asymmetric pulley having a pulley groove for guiding a shoelace without allowing the shoelace to be removed therefrom by itself and opposite circular side surfaces provided on opposite sides of the pulley groove, in which a diameter of a first one of the opposite side surfaces is larger than a diameter of a second one; a pulley holder having a structure suitable for sitting the pulley therein; and a rotating pin rotatably mounting the pulley to the pulley holder.

IPC 8 full level

**A43C 1/00** (2006.01); **A43C 3/02** (2006.01); **A43C 3/04** (2006.01); **A43C 7/00** (2006.01)

CPC (source: EP US)

**A43C 1/003** (2013.01 - EP US); **A43C 3/02** (2013.01 - EP US); **A43C 3/04** (2013.01 - EP US); **A43C 7/00** (2013.01 - EP US); **Y10T 24/3739** (2015.01 - EP 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2508094 A2 20121010**; **EP 2508094 A3 20140423**; **EP 2508094 B1 20171122**; CN 202536266 U 20121121; JP 2012217844 A 20121112; JP 5388383 B2 20140115; RU 2543455 C1 20150227; US 2012246897 A1 20121004; WO 2012138062 A2 20121011; WO 2012138062 A3 20130110

DOCDB simple family (application)

**EP 12163239 A 20120404**; CN 201220138480 U 20120401; JP 2012068738 A 20120326; KR 2012001807 W 20120313; RU 2013148807 A 20120313; US 201213438813 A 20120403