

Title (en)

An interchangeable stud structure for sports shoes

Title (de)

Auswechselbare Stollenstruktur für Sportschuhe

Title (fr)

Structure de crampon amovible pour chaussures de sport

Publication

EP 1728448 B1 20080326 (EN)

Application

EP 05425395 A 20050531

Priority

EP 05425395 A 20050531

Abstract (en)

[origin: EP1728448A1] An interchangeable stud structure for sports shoes comprises a supporting element (2) which can be fixed to a sole (22) of a sports shoe, having a connecting seat (9), and a stud body (3) with a pin (10) that has at least one engagement tooth (11). The stud body (3) can be rotated relative to the supporting element (2) about an axis of rotation between a first position in which it can be removed and a second position in which the tooth (11) is coupled with the connecting seat (9) and secures the stud body (3) to the supporting element (2). The connecting seat (9) extends along a spiral trajectory coaxial with the axis of rotation and has an engagement zone (12) and a locking zone (13). Each point of the locking zone (13) is at a distance from the external side (7) not less than any other point of the connecting seat (9) between the engagement zone (12) and the locking zone (13).

IPC 8 full level

A43C 15/16 (2006.01)

CPC (source: EP)

A43C 15/161 (2013.01)

Cited by

EP2375930A4; US9009990B2; US8898935B2; US9044069B2; US9259057B2; US8505218B2; US8657110B2; US9161594B2; WO2011023780A1; WO2013039805A1; US8544195B2; US8667714B2; US8707588B2; US8769751B2

Designated contracting state (EPC)

DE IT

DOCDB simple family (publication)

EP 1728448 A1 20061206; EP 1728448 B1 20080326; DE 602005005644 D1 20080508; DE 602005005644 T2 20081030

DOCDB simple family (application)

EP 05425395 A 20050531; DE 602005005644 T 20050531