

Title (en)
OUTSOLE FOR SPORTS SHOES

Title (de)
LAUFSOHLE FÜR SPORTSCHUHE

Title (fr)
SEMELLE D'USURE POUR CHAUSSURE DE SPORT

Publication
EP 1392136 A1 20040303 (DE)

Application
EP 01274287 A 20011121

Priority
• DE 0104431 W 20011121
• DE 20109166 U 20010604

Abstract (en)
[origin: US7010871B2] An outsole (1) for athletic shoes (2) having stud-type cleat elements arranged in the front sole area (3) and heel area (4), the cleat elements extending in a conically tapered manner from the base (6) thereof to the contact surface (7). To improve the outsole, in order to enable improved contact of the feet when they are placed on the ground, even when the ground is moderately hard, the height (h_{red}) of at least one cleat element (5 ") in the sole edge area (12) of the heel area (4) is reduced in relation to the average height (h_{norm}) of the other cleat elements (5 ") in that area.

IPC 1-7
A43B 5/02; **A43C 15/02**

IPC 8 full level
A43B 13/26 (2006.01); **A43B 5/02** (2006.01); **A43B 13/14** (2006.01); **A43C 15/02** (2006.01)

CPC (source: EP KR US)
A43B 5/02 (2013.01 - EP US); **A43B 13/14** (2013.01 - KR); **A43C 15/02** (2013.01 - EP US)

Cited by
US9101178B2; US10405611B2; WO2013127404A1; US9155356B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2004148806 A1 20040805; **US 7010871 B2 20060314**; AT E287222 T1 20050215; AU 2002215867 B2 20061012; BR 0117037 A 20040727; BR 0117037 B1 20100713; CN 1287702 C 20061206; CN 1522116 A 20040818; DE 20109166 U1 20021010; DE 50105155 D1 20050224; EP 1392136 A1 20040303; EP 1392136 B1 20050119; ES 2234775 T3 20050701; JP 2004527354 A 20040909; JP 4478447 B2 20100609; KR 100579751 B1 20060515; KR 20040011523 A 20040205; PT 1392136 E 20050429; WO 02098253 A1 20021212

DOCDB simple family (application)
US 47946303 A 20031202; AT 01274287 T 20011121; AU 2002215867 A 20011121; BR 0117037 A 20011121; CN 01823328 A 20011121; DE 0104431 W 20011121; DE 20109166 U 20010604; DE 50105155 T 20011121; EP 01274287 A 20011121; ES 01274287 T 20011121; JP 2003501302 A 20011121; KR 20037015839 A 20031203; PT 01274287 T 20011121