

Title (en)  
SPORTS SHOE WITH RETRACTABLE STUDS

Publication  
**EP 0223700 B1 19910320 (FR)**

Application  
**EP 86402504 A 19861112**

Priority  
FR 8516851 A 19851114

Abstract (en)  
[origin: EP0223700A1] The studs (3) of the shoe are retractable against the action of at least one elastic member (6) calibrated in order to yield to the pressure of the foot on a hard surface and to resist the reaction of the "green". Protuberances are formed projecting under the outsole (1) as far as the level reached by the studs (3) in the retracted position. Each retractable stud (3) comprises a tapped base (8) mounted through the outsole (1), fixed to the latter and delimiting a housing (21) via which at least one elastic element (26) is accessible, the tapped base interacting with a threaded plug (13) having a screwing collar (14) forming a guide (16) in translation for the actual stud (18) which is equipped with a projecting foot (20) located in the housing. <IMAGE>

IPC 1-7  
**A43C 15/16**

IPC 8 full level  
**A43B 5/00** (2006.01); **A43C 15/16** (2006.01)

CPC (source: EP)  
**A43B 5/001** (2013.01); **A43C 15/161** (2013.01); **A43C 15/168** (2013.01)

Cited by  
US2016286904A1; US5732482A; US6108944A; US6021590A; US6151805A; GB2313999A; US5737855A; US4843735A; ITMI20090886A1; GB2368772A; CN102488353A; GB2223394A; GB2223394B; GB2285569A; CN103002763A; CN104665106A; EP2200464A4; US10524543B2; EP3704988A4; US8950090B2; US8322051B2; US10149515B2; US9623309B2; US10314369B2; US8079160B2; WO2020040513A1; WO03071893A1; WO2011106126A1; US9930933B2; US10314368B2; US8256145B2; US11019884B2; US11076659B2; US10104939B2; US10863798B2; US7234250B2; USRE40460E; US7913425B2; JP2013520231A; WO2005079616A1; WO2010133454A1

Designated contracting state (EPC)  
DE ES GB

DOCDB simple family (publication)  
**EP 0223700 A1 19870527**; **EP 0223700 B1 19910320**; DE 3678251 D1 19910425; ES 2021602 B3 19911116; FR 2589689 A1 19870515; FR 2589689 B1 19880729

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