

Title (en)

Skiboot with a vertically adjustable foot-support.

Title (de)

Skischuh mit einem in der Höhe verstellbaren Fussbett.

Title (fr)

Chaussure de ski avec support du pied réglable en hauteur.

Publication

EP 0413135 A1 19910220 (DE)

Application

EP 90113241 A 19900711

Priority

CH 301989 A 19890818

Abstract (en)

[origin: JPH0385101A] PURPOSE: To have a simple structured insole height adjusting device and enable another adjustment of the insole by providing a boot with two support means able to slip each other crossing the longitudinal direction of the boot as well as to slide in the same direction and having their respective attached slant face. CONSTITUTION: In order to desirably adjust the height of an insole 22, a shaft 40 is turned on properly, for example, clockwise using a driver or a coin, which causes both support means 32 to go apart synchronously to the direction of the arrow C while it lets them come closer in case the shaft is turned adversely, for example, counterclockwise. This movement is converted to an up and down movement of the insole to the direction of the arrow A through a slant face 30. This time slant stability of the insole 22 is kept unchanged at whichever height is positions while contacting faces of a part face 28 and a support face 34 go apart as much as the insole 22 is raised up. A skier is able to adjust the height of the insole 22 without taking off the ski boot 12 as the rotation of the shaft 40 is converted to the support means 32 through adverse screws 38, 38', and next is reduced to the up and down movement of the insole 22 through the support faces 34.

Abstract (de)

Am Schaft (14) des Skischuhs (12) ist im Absatzbereich (10) eine Welle (40) gelagert. Diese verläuft parallel zur Sohle (16) und rechtwinklig zur Schuh längsrichtung (B). An der Welle (40) sind zwei gegenläufige Gewinde (38, 38') angeformt, auf welchen je ein Stützglied (32) sitzt. Durch Verdrehen der Welle (40) von ausserhalb des Skischuhs (12) werden die Stützglieder (32) gegeneinander zu bzw. voneinander weg bewegt. Diese Relativbewegung der Stützglieder (32) wird über Schrägflächen (30) an Stützrippen (26) des Fussbettes (22) in eine Bewegung des Fussbettes (22) in Pfeilrichtung (A) umgelenkt. Durch asymmetrisches Anordnen der beiden Stützglieder (32) bezüglich der Schuh längsmittlebene kann eine Querneigung des Fussbettes (22) eingestellt werden.

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A43B 5/04

IPC 8 full level

A43B 5/04 (2006.01); **A43B 13/38** (2006.01)

CPC (source: EP US)

A43B 5/0417 (2013.01 - EP US)

Citation (search report)

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- [AD] EP 0213520 A1 19870311 - GUDO AG [CH], et al

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Designated contracting state (EPC)

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EP 0413135 A1 19910220; EP 0413135 B1 19940330; AT E103473 T1 19940415; CH 678686 A5 19911031; DE 59005166 D1 19940505; JP H0385101 A 19910410; JP H0677522 B2 19941005; US 5090139 A 19920225

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EP 90113241 A 19900711; AT 90113241 T 19900711; CH 301989 A 19890818; DE 59005166 T 19900711; JP 21144690 A 19900809; US 56825090 A 19900816