

Title (en)
Variable configuration ski boot

Title (de)
Skischuh mit veränderbarer Gestaltung

Title (fr)
Chaussure de ski à configuration variable

Publication
EP 1637048 A1 20060322 (EN)

Application
EP 05019419 A 20050907

Priority
IT BO20040571 A 20040915

Abstract (en)
The ski boot (S), formed by a bootleg (1), a lower shell (2), connected to the bootleg, and a sole (3), fastened to the lower shell, includes a device (100, 200)m in which there are a first hinge joint (10, 110), which allows the tilting motion of the bootleg (1) with respect to the relative lower shell (2) on a horizontal axis (T), transversal to the boot (S) and situated at a level almost coinciding with the ankle articulation, when the foot (P) wears the boot (S); a second hinge joint (20, 120), which has a horizontal axis (L) arranged perpendicular to the first one, and allows swinging of the sole (3) with respect to the bootleg (1) on a plane orthogonal to the tilting motion of the latter; a mechanism (30, 300) operated by the tilting motion of the bootleg (1) with respect to the first joint (10, 110) and which drives the sole (3) in a swinging motion with respect to the second joint (20, 120) with a prefixed angular ratio and in such a direction, that a forward inclination of the bootleg (1) determines an inclination of the sole (3), which brings the inner lateral side (3a) of the latter to a lower level with respect to the relative outer lateral side (3b). The boot (S) is designed for being used with "carving" skis and allows an increase of the transversal inclination of the outer ski, with respect to the turn, with a simple bending of the leg onto the ankle, without bending too much the whole body. The increased inclination of the ski allows a bigger gripping of the blade and the use of the self-steering feature of this kind of ski.

IPC 8 full level
A43B 5/04 (2006.01)

CPC (source: EP)
A43B 5/0466 (2013.01)

Citation (search report)
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• [A] CH 688535 A5 19971114 - WEBER BERNHARD G [CH]
• [A] AT 385636 B 19880425 - DYNAFIT GMBH [AT], et al
• [A] FR 2433311 A1 19800314 - DESIRE SPORT

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1637048 A1 20060322; IT BO20040571 A1 20041215

DOCDB simple family (application)
EP 05019419 A 20050907; IT BO20040571 A 20040915