

Title (en)

DEVICE FOR VARYING THE RADIAL GEOMETRY OF A SKI PROPORTIONALLY TO ITS FLEXION AND SKI EQUIPPED THEREWITH

Title (de)

VORRICHTUNG MIT VERÄNDERLICHER RADIALER GEOMETRIE EINER SKI MIT PROPORTIONALE BIEGEFESTIGKEIT UND SKI MIT SOLCHEN VORRICHTUNG

Title (fr)

DISPOSITIF DE MODIFICATION DE LA GEOMETRIE RADIALE D'UN SKI PROPORTIONNELLEMENT A SA FLEXION ET SKI EQUIPE DE CE DISPOSITIF

Publication

**EP 1441817 A1 20040804 (FR)**

Application

**EP 02771972 A 20021107**

Priority

- CH 0200603 W 20021107
- CH 20632001 A 20011108

Abstract (en)

[origin: WO03039686A1] The invention concerns a mechanical device for varying the radial geometry of a ski, proportionally to its flexion. Said device is characterized in that it comprises elements (2), called transmission elements (2) which, interposed between the rod (1) and the ski (5): transform each a relative movement (100) of the rod (1) oriented along its longitudinal axis (10) and directed towards one of ski end portions (direction S1), into a second movement (200) oriented along a direction intersecting said longitudinal axis (10) and directed towards the outside of the ski (5); apply each said movement (200) at a selected point of the ski (5), such that, during said relative movement (100) of the rod (1), they produce a thrust generating the deformation of the ski (5) along its cross-section, transverse deformation which, in particular, causes the top part of the ski to be spaced apart and produces the desired geometry of the bottom surface (50) of said ski (5)

IPC 1-7

**A63C 5/07**; **A63C 5/06**

IPC 8 full level

**A63C 5/06** (2006.01); **A63C 5/07** (2006.01)

CPC (source: EP US)

**A63C 5/06** (2013.01 - EP US); **A63C 5/07** (2013.01 - EP US)

Citation (search report)

See references of WO 03039686A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03039686 A1 20030515**; AT E298611 T1 20050715; DE 60204905 D1 20050804; DE 60204905 T2 20060524; EP 1441817 A1 20040804; EP 1441817 B1 20050629; US 2005006875 A1 20050113; US 7344148 B2 20080318

DOCDB simple family (application)

**CH 0200603 W 20021107**; AT 02771972 T 20021107; DE 60204905 T 20021107; EP 02771972 A 20021107; US 49472004 A 20040506