

Title (en)

Cross country ski, especially for the practice of alternative steps.

Title (de)

Langlaufski, insbesondere für die Praxis des abwechselnden Schrittes.

Title (fr)

Ski de fond, notamment pour la pratique du pas alternatif.

Publication

EP 0473898 A1 19920311 (FR)

Application

EP 91110816 A 19910629

Priority

FR 9010747 A 19900824

Abstract (en)

A transverse slot (5), passing through the ski, is provided in the central part (1) of the ski, in the area in which the boot (4) is held, the area of the heel (T) serving as a support for the foot during the sliding phase, and the metatarso-phalangeal area serving as an impulsion support (Pi) during the impulsion phase of the ski. The slot (5) defines, in the thickness of the ski, two flexing beam parts, an upper one (6) and a lower one (7), respectively. This arrangement permits, during the phase of impulsion (Pi), satisfactory flattening on the ground of the lower beam part (7) and thus of the running sole part of the ski comprising the wax chamber (8). The impulsion efficiency thereof is thus markedly increased without affecting the sliding phase. <IMAGE>

Abstract (fr)

Dans la partie centrale (1) du ski dans la zone d'emprise de la chaussure (4), la zone du talon (T) servant d'appui du pied pendant la phase de glissement, et la zone métatarso-phalangienne d'appui d'impulsion (Pi) lors de la phase d'impulsion du ski, est ménagée une fente (5) transversale, traversant le ski. La fente (5) définit dans l'épaisseur du ski deux poutres de flexion respectivement supérieure (6) et inférieure (7). Cette disposition permet lors de la phase d'impulsion (Pi) une bonne mise à plat sur le sol de la poutre inférieure (7) donc de la partie de la semelle du ski comportant la chambre à fart (8). L'efficacité de l'impulsion en est donc notablement accrue sans affecter la phase de glissement. <IMAGE>

IPC 1-7

A63C 5/00

IPC 8 full level

A63C 5/12 (2006.01); **A63C 5/00** (2006.01); **A63C 7/00** (2006.01)

CPC (source: EP US)

A63C 5/003 (2013.01 - EP US); **A63C 7/005** (2013.01 - EP US); **A63C 7/04** (2013.01 - EP US)

Citation (search report)

- [A] DE 3619118 A1 19871210 - MATT WILFRIED [DE]
- [A] WO 8604824 A1 19860828 - KUCHLER WALTER
- [A] DE 3929625 A1 19900419 - FISCHER GMBH [AT]

Cited by

FR2700477A1; FR2719782A1; FR2719780A1; US5829776A; WO9531259A1; WO9531260A1; EP3437702A1

Designated contracting state (EPC)

AT DE SE

DOCDB simple family (publication)

EP 0473898 A1 19920311; **EP 0473898 B1 19940817**; AT E109992 T1 19940915; DE 69103497 D1 19940922; DE 69103497 T2 19941208; FR 2666021 A1 19920228; FR 2666021 B1 19921113; JP H04246383 A 19920902; US 5292147 A 19940308; US 5427400 A 19950627

DOCDB simple family (application)

EP 91110816 A 19910629; AT 91110816 T 19910629; DE 69103497 T 19910629; FR 9010747 A 19900824; JP 20684791 A 19910819; US 11984393 A 19930913; US 74795291 A 19910821