

## Title (en)

Method for producing a climbing skin for skis and a climbing skin for skis produced according to this method.

## Title (de)

Verfahren zum Herstellen eines Steigfells, sowie Steigfell hergestellt nach diesem Verfahren

## Title (fr)

Procédé de fabrication d'une peau de phoque artificielle pour attacher à un ski et peau de phoque fabriqué selon ce procédé

## Publication

**EP 2000182 A1 20081210 (DE)**

## Application

**EP 08405090 A 20080327**

## Priority

CH 8992007 A 20070606

## Abstract (en)

The procedure for the production of a flat object e.g. climbing skin (1) for skis (2), skid carpet or textile velour, with a sliding surface made of fibers (5), comprises producing a part of fibers from a base material and a sliding material uniformly distributed in the base material. The base material is thermoplastic and the sliding material is added before extruding the base material. The sliding surface is produced from short fibers, monofilaments or multifilaments. The fibers are mixed with named sliding material and fibers without the sliding material. The procedure for the production of a flat object e.g. climbing skin (1) for skis (2), skid carpet or textile velour, with a sliding surface made of fibers (5), comprises producing a part of fibers from a base material and a sliding material uniformly distributed in the base material. The base material is thermoplastic and the sliding material is added before extruding the base material. The sliding surface is produced from short fibers, monofilaments or multifilaments. The fibers are mixed with named sliding material and fibers without the sliding material so that the named sliding surface consists of a mixture of fibers. The fibers have a diameter of 100-300  $\mu$ m and are used with a length of 10 mm or endless fibers, which are directed. The sliding material is graphite, fluorinated plastic, polytetrafluoroethylene, carbon black, silicone plastic, wax or other sliding support substance or a mixture of materials. The portion of the sliding material on the fiber is 7 wt.%.

## Abstract (de)

Das Verfahren dient zum Herstellen eines flächigen Gegenstandes, beispielsweise eines Steigfells (1) für Skis, eines Rutschteppich oder Velours. Dieser weist wenigstens eine aus Fasern (5) hergestellte gleitfähige Oberfläche (4) auf. Wenigstens ein Anteil dieser Fasern (5) wird aus einem Basismaterial (6) und einem in diesem gleichmässig verteilten Gleitmaterial (7) hergestellt. Das Basismaterial (6) ist vorzugsweise ein thermoplastischer Kunststoff. Das Gleitmaterial (7) wird in einem Extruder diesem Basismaterial (6) beigemischt. Der nach diesem Verfahren hergestellte Gegenstand besitzt Gleiteigenschaften, welche beim Gebrauch erhalten bleiben.

## IPC 8 full level

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## CPC (source: EP US)

**A63C 7/02** (2013.01 - EP US); **Y10T 428/23986** (2015.04 - EP US); **Y10T 428/2929** (2015.01 - EP US)

## Citation (applicant)

- DE 20220713 U1 20040212 - VELOTEX GMBH [DE]
- US 2006154058 A1 20060713 - NEUBERG WILLIAM [US]
- US 2003039834 A1 20030227 - GUNN ROBERT T [US]

## Citation (search report)

- [X] US 2006154058 A1 20060713 - NEUBERG WILLIAM [US]
- [X] US 2003039834 A1 20030227 - GUNN ROBERT T [US]
- [X] WO 2005017240 A1 20050224 - FOSS MFG CO INC [US], et al
- [X] DE 19819682 A1 19991104 - DYNEON GMBH [DE]
- [A] DE 20220713 U1 20040212 - VELOTEX GMBH [DE]
- [A] CH 134395 A 19290731 - ROEDER VON DIERSBURG KARL [DE]
- [A] DE 624310 C 19360117 - OTTO MAHLER

## Cited by

AT523407B1; AT523407A4; WO2014146159A1; WO2022194360A1

## Designated contracting state (EPC)

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## Designated extension state (EPC)

AL BA MK RS

## DOCDB simple family (publication)

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## DOCDB simple family (application)

**EP 08405090 A 20080327**; AT 08405090 T 20080327; CA 2634352 A 20080606; ES 08405090 T 20080327; SI 200830324 T 20080327; US 45454608 A 20080606