

Title (en)

CONTINUOUS PROCESS FOR PRODUCING A DECORATED SKI LINING MATERIAL

Title (de)

KONTINUIERLICHES VERFAHREN ZUR HERSTELLUNG EINES MIT EINEM DEKOR VERSEHENEN SKIBELAGSMATERIALS

Title (fr)

PROCEDE DE PRODUCTION EN CONTINU D'UN MATERIAU DECORE DE REVETEMENT POUR SKIS

Publication

EP 0711189 B1 19980812 (DE)

Application

EP 95919924 A 19950601

Priority

- AT 9500113 W 19950601
- AT 112594 A 19940601

Abstract (en)

[origin: WO9532771A1] A continuous process is disclosed for producing a strip of decorated ski lining material from ultra-high molecular weight polyethylene. A 0.5 to 1.5 mm thick strip of ski lining material produced in a screw-type or piston-type extruding machine or by sintering followed by peeling and printed with thermodiffusion dyes continuously runs through a heating zone in which it is uniformly heated up to a temperature above 140 DEG C, so that the crystalline structure of the ultra-high molecular weight polyethylene is partially decomposed and the thermodiffusion dye diffuses into the molten ski lining material without the need for an intermediate carrier. The ski lining material provided with the thermodiffusion dye then runs through a cooling zone in which it is uniformly cooled down to a temperature equal to or lower than ambient temperature, so that 25 % to 60 % of the ultra-high molecular weight polyethylene crystallises and the thermodiffusion dye is fixed on the ultra-high molecular weight polyethylene during cooling.

IPC 1-7

A63C 5/056

IPC 8 full level

A63C 5/056 (2006.01); **A63C 5/12** (2006.01)

CPC (source: EP US)

A63C 5/124 (2013.01 - EP US); **Y10T 428/269** (2015.01 - EP US); **Y10T 428/2913** (2015.01 - EP US); **Y10T 428/31855** (2015.04 - EP US)

Designated contracting state (EPC)

AT CH DE FR IT LI SE

DOCDB simple family (publication)

WO 9532771 A1 19951207; AT 404899 B 19990325; AT A112594 A 19980815; AT E169507 T1 19980815; DE 59503150 D1 19980917; EP 0711189 A1 19960515; EP 0711189 B1 19980812; JP H09506813 A 19970708; US 5731072 A 19980324

DOCDB simple family (application)

AT 9500113 W 19950601; AT 112594 A 19940601; AT 95919924 T 19950601; DE 59503150 T 19950601; EP 95919924 A 19950601; JP 50006795 A 19950601; US 58300796 A 19960126