

Title (en)

CABLE TENSIONER WITH A WINDING REEL FOR A SKI BOOT

Publication

EP 0368798 B1 19930901 (FR)

Application

EP 89810792 A 19891020

Priority

CH 416388 A 19881109

Abstract (en)

[origin: JPH02180201A] PURPOSE: To enable to release a drum by only pressing a handle and to easily rotate the drum by using one of members of a nonreturn mechanism, by equipping the device with a winding drum with teeth by an external handle and a nonreturn mechanism which is released by handle operation. CONSTITUTION: A drum 2 equipped with a flange is mounted in a housing 1 and the flange 4 on its upside contacts under a gear 7. The gear engages with a pinion 10 which connects to a handle 12 through a rotary axis 11. A cylindrical part 13 extends from the pinion, the rotary axis is extended to form one of constituent members of a one way axis joint mechanism, and members 14 other than the joint mechanism are fixed on the bottom part of a cylindrical protrusion 15. The member 13 is held at a high position. Thus the drum is rotated by rotating the handle to wind a cable 5. The drum does not rotate in the reverse direction by a nonreturn mechanism 13/14. However, by pressing the handle, the drum is instantly released to enable to slightly relax the tension of the cable.

IPC 1-7

A43B 5/04; A43C 11/16

IPC 8 full level

A43B 5/04 (2006.01); **A43C 11/16** (2006.01)

CPC (source: EP US)

A43B 5/0449 (2013.01 - EP US); **A43C 11/16** (2013.01 - EP US); **A43C 11/165** (2013.01 - EP US); **Y10T 24/2183** (2015.01 - EP US)

Cited by

EP2789251A1; EP3636097A1; EP2359708A1; WO2023078893A1

Designated contracting state (EPC)

AT DE FR IT SE

DOCDB simple family (publication)

EP 0368798 A1 19900516; EP 0368798 B1 19930901; AT E93691 T1 19930915; CH 677586 A5 19910614; DE 68908849 D1 19931007; JP H02180201 A 19900713; US 4961544 A 19901009

DOCDB simple family (application)

EP 89810792 A 19891020; AT 89810792 T 19891020; CH 416388 A 19881109; DE 68908849 T 19891020; JP 29015789 A 19891109; US 41032189 A 19890920