

Title (en)

Ski with elastic devices to prevent and/or to dampen the tendency to flex

Title (de)

Ski mit elastischen Einrichtungen zum Verhindern und/oder Dämpfen von Biegebeanspruchungen

Title (fr)

Ski perfectionné muni de dispositifs élastiques pour s'opposer et/ou amortir les sollicitations en flexion

Publication

EP 0639392 B1 19970305 (FR)

Application

EP 94109675 A 19940623

Priority

FR 9310210 A 19930820

Abstract (en)

[origin: EP0639392A1] The invention relates to a ski consisting of a long beam (1) with an arched part (2) of length (LC) between a front contact line (20) and a rear contact line (21); said central part comprising an area where the bindings (5) are attached. The ski comprises two load transmitters (6, 7) positioned centrally (2), one in front of and one behind said attachment area (5). One of the ends (60, 70) of each load transmitter is connected to the beam by a full joint (8); the other end (61, 71) is connected by a partial connection means which is free to move in a lengthwise direction and is formed by an elastic and/or viscous component (90, 91) that tends to resist the lengthwise movement of said load transmitter. When flexing forces occur, the ratio of the movement (DELTA 1) of the partially connected end (61) of the front load transmitter (6) to the movement (DELTA 2) of the partially connected end (71) of the rear load transmitter (7) is between 1.2:1 and 2.5:1; and the ratio of the stiffness (K1) of the elastic and/or viscous component (90) of the front load transmitter (6) to the stiffness (K2) of the elastic and/or viscous component (91) of the rear load transmitter (7) is between 1.2:5 and 5:1. The invention relates to an improvement to known ski damping devices. <IMAGE>

IPC 1-7

A63C 5/075; **A63C 5/12**

IPC 8 full level

A63C 5/07 (2006.01); **A63C 5/075** (2006.01); **A63C 5/12** (2006.01)

CPC (source: EP US)

A63C 5/07 (2013.01 - EP US); **A63C 5/075** (2013.01 - EP US); **A63C 5/122** (2013.01 - EP US)

Citation (examination)

- FR 2678517 A1 19930108 - SALOMON SA [FR]
- ISO-5902-1980

Cited by

ES2524705A1; FR2760372A1; EP3144038A1; FR3041267A1; WO9846313A1; US7296818B2; US10265604B2

Designated contracting state (EPC)

AT DE

DOCDB simple family (publication)

EP 0639392 A1 19950222; **EP 0639392 B1 19970305**; AT E149369 T1 19970315; DE 69401872 D1 19970410; DE 69401872 T2 19970703; FR 2709071 A1 19950224; FR 2709071 B1 19951027; JP 3037259 U 19970516; JP H0788220 A 19950404; US 5464242 A 19951107

DOCDB simple family (application)

EP 94109675 A 19940623; AT 94109675 T 19940623; DE 69401872 T 19940623; FR 9310210 A 19930820; JP 1098696 U 19961029; JP 19328594 A 19940817; US 29152794 A 19940816