

Title (en)
Alpine ski provided with a stiffening and/or damping device double-action

Title (de)
Abfahrtsski mit doppel wirkender Versteifungs- und/oder Dämpfungsvorrichtung

Title (fr)
Ski alpin muni d'un dispositif de raidissement et/ou d'amortissement à double effet

Publication
EP 0682961 B1 19980826 (FR)

Application
EP 95104526 A 19950328

Priority
FR 9406218 A 19940518

Abstract (en)
[origin: EP0682961A1] The ski is equipped with a device (2) designed to modify its rigidity and/or damp vibrations. This consists of an elongated member (3) which is situated lengthwise and connected at one end to the ski by a rigid fixing at one end while its other end is able to move lengthwise relative to the ski. The movable end of the elongated member is connected to a variable resistance, either in the form of friction shoes or a liquid/gas damper comprising a sealed chamber (20) containing the gas or fluid and a piston (21) on the end of the lengthwise element which moves inside the chamber. The chamber increases progressively in cross-section, so that the resistance to the piston diminishes from one end of the chamber to the other. The elongated member is in the shape of a flexible vane and can be equipped with reinforcing ribs. <IMAGE>

IPC 1-7
A63C 5/07

IPC 8 full level
A63C 5/075 (2006.01); **A63C 5/07** (2006.01)

CPC (source: EP US)
A63C 5/07 (2013.01 - EP US)

Cited by
FR2932693A1; CN111616663A; FR2741814A1; ES2524705A1; EP0826397A1; FR2752743A1; US5924707A; DE202005021774U1;
US6182998B1; WO2007022923A3; WO9720604A1

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FR 2720007 A1 19951124; FR 2720007 B1 19960712; JP H07313654 A 19951205; US 5597170 A 19970128

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