

Title (en)
Spring device for a ski binding

Title (de)
Federvorrichtung für eine Skibindung

Title (fr)
Dispositif élastique de rappel pour fixation de ski

Publication
EP 0882477 A1 19981209 (FR)

Application
EP 98810367 A 19980427

Priority
FR 9707262 A 19970606

Abstract (en)
The clamp return member comprises a coil spring (10) with a resilient plastic material (11) between the coils to increase the force of the spring with the speed of its compression. The plastic material between the spring coils can preferably be a silicone rubber, EPDM or PDMS, and it can be filled with a mineral or organic material such as pyrogenic or colloidal silica, or talc. The plastic can preferably be in the shape of a coil between the spring or a cylinder with the spring embedded in it.

Abstract (fr)
Dispositif élastique de rappel pour fixation de sécurité de ski, comprenant un ressort hélicoïdal (10) et présentant une raideur variable en fonction de la vitesse de sollicitation. Un matériau plastique fluant (11) est intercalé entre les spires du ressort, de telle sorte que la raideur du ressort augmente avec la vitesse de sa compression. Cet élément élastique permet d'éviter un déclenchement intempestif de la fixation. <IMAGE>

IPC 1-7
A63C 9/08

IPC 8 full level
A63C 9/08 (2006.01); **A63C 9/085** (2006.01); **A63C 9/084** (2006.01)

CPC (source: EP US)
A63C 9/0805 (2013.01 - EP US); **A63C 9/0848** (2013.01 - EP US); **A63C 9/08578** (2013.01 - EP US); **A63C 9/08592** (2013.01 - EP US); **A63C 9/0842** (2013.01 - EP US); **A63C 9/0846** (2013.01 - EP US); **A63C 9/08521** (2013.01 - EP US)

Citation (applicant)

- FR 1454511 A 19660211 - SALOMON & FILS F
- DE 2415957 A1 19751009 - VER BAUBESCHLAG GRETSCH CO
- DE 2634649 A1 19780209 - KIRSCH BERNHARD
- FR 2424040 A1 19791123 - TMC CORP [CH], et al
- FR 2625687 A1 19890713 - SALOMON SA [FR]
- FR 2661334 A1 19911031 - SALOMON SA [FR]
- FR 2642657 A1 19900810 - SALOMON SA [FR]
- WO 9208527 A1 19920529 - SALOMON SA [FR]

Citation (search report)

- [A] WO 9208527 A1 19920529 - SALOMON SA [FR]
- [A] FR 2610842 A1 19880819 - SALOMON SA [FR]
- [A] EP 0407261 A1 19910109 - HUTCHINSON [FR]

Designated contracting state (EPC)
AT DE

DOCDB simple family (publication)
EP 0882477 A1 19981209; FR 2764201 A1 19981211; FR 2764201 B1 19990730; US 6286856 B1 20010911

DOCDB simple family (application)
EP 98810367 A 19980427; FR 9707262 A 19970606; US 8820298 A 19980601