

Title (en)
LATERALLY RELEASABLE FRONT JAW FOR SAFETY SKIBINDING

Publication
EP 0295372 B1 19910731 (DE)

Application
EP 88104782 A 19880324

Priority
DE 3720440 A 19870619

Abstract (en)
[origin: JPS6417671A] PURPOSE: To provide a toe unit easily laterally released by pressing down a sole clamp along an inclined axis by a down partial force acting on the sole clamp, and pressing the upper surface of the sole of a ski boot by a push-down clamp. CONSTITUTION: A partial force acts so as to pull a sole clamp 18 downward along an inclined surface 20. Since a sole 22 presses down a pedal 34 in an arrowed direction (f) when a skier takes a forward posture, a 'push rod 36' is pushed forward through wedge surfaces 50, 50' and a wedge member 36. This motion forms an upward displacement laid along the inclined axis 16 of the sole clamp 18 through a crank lever 3610. Thus, the pressing force to the sole 22 by a push-down clamp 21 is extinguished, the generally existing friction is also extinguished, and only the frictional force between the sole 22 and the flow frictional lining 35 of the pedal 34 is consequently present. Thus, the lateral releasing force is surely made constant and small, whereby the lateral release of a binding is facilitated in a turning including forward rotation.

IPC 1-7
A63C 9/085

IPC 8 full level
A63C 9/00 (2012.01); **A63C 9/085** (2012.01)

CPC (source: EP US)
A63C 9/001 (2013.01 - EP US); **A63C 9/08521** (2013.01 - EP US); **A63C 9/08564** (2013.01 - EP US)

Cited by
EP0474020A3; FR2759603A1; EP0865806A1; US6053523A; FR2764202A1; EP0856337A1; FR2764201A1; EP1008373A1; FR2786706A1

Designated contracting state (EPC)
AT CH DE FR LI

DOCDB simple family (publication)
EP 0295372 A1 19881221; EP 0295372 B1 19910731; AT E65705 T1 19910815; CA 1306763 C 19920825; DE 3720440 A1 19890105; DE 3720440 C2 19890503; DE 3863981 D1 19910905; JP 2907838 B2 19990621; JP S6417671 A 19890120; US 4889359 A 19891226

DOCDB simple family (application)
EP 88104782 A 19880324; AT 88104782 T 19880324; CA 569461 A 19880614; DE 3720440 A 19870619; DE 3863981 T 19880324; JP 15210688 A 19880620; US 20659088 A 19880614