

Title (en)  
SAFETY SKI BINDING.

Title (de)  
SICHERHEITSSKIBINDUNG.

Title (fr)  
FIXATION DE SECURITE POUR SKI.

Publication  
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Application  
**EP 87901440 A 19870214**

Priority  
AT 40886 A 19860217

Abstract (en)  
[origin: WO8704941A1] Safety ski binding, in particular a heel support (2, 102) with a base plate (3, 103) to be secured to the upper surface of the ski and carrying a vertical rotary pin (4, 104). The heel support (2, 102) is provided with a sole support (6, 106) which can be pivoted upwards against a releasable catch and with a support plate (8, 108) which can pivot around a vertical axis, for the heel (10a) of the ski-boot (10, 110). The support plate (8, 108) is subjected to the pressure of a spring (121) in its central position. In order to be able, in such a ski binding, to locate the rotation axis for the ski-boot (10, 110) roughly in the extension of the tibia and at the same time simplify the design of the ski binding, it is proposed that the rotary pin (4), when viewed in the longitudinal direction of the ski, is located between the front jaw (5) and heel support (2), that the support plate (8) is pivotally supported on the rotary pin (4). By means of a guide mechanism formed of a roller (155) and guide curve (156) the heel support (102) is opened in a horizontal release process. According to the invention, the roller (155) is supported by means of its axis running in the longitudinal direction of the ski in the base plate (103), which cooperates with a guide element (156) which can actuate the releasable catch of the heel support (102). In addition, the support plate (8') can also be designed as a sole plate.

Abstract (fr)  
La fixation de sécurité ci-décrite possède une plaque de base (3) destinée à être fixée sur la surface supérieure du ski et portant un axe rotatif vertical (4) sur lequel est supporté un pivot, une plaque de semelle (8) qui porte à son extrémité arrière un support de talon (2) avec un support de semelle (6) actionné au moyen d'un ressort à cliquet (25), et à son extrémité avant des mâchoires de retenue. La plaque de semelle (8) est soumise à la pression du ressort à cliquet (25) en direction de sa position centrale. Dans le but d'être en mesure, dans une telle fixation de ski, d'assurer une possibilité supplémentaire de libération de la chaussure de ski par un mouvement relatif du support du talon (2) par rapport à la plaque de semelle (8), même lors d'une charge purement horizontale, le support de talon (2), connu en soi, est pourvu d'un sabot d'appui (16) pivotant avec sa base (16a) autour d'un axe vertical (61), ce dernier étant assujéti à la plaque de semelle (8), et un galet (19) supplémentaire étant associé au sabot d'appui (16) et étant pressé par un ressort additionnel (21) contre une partie courbe de guidage (3a) ménagé sur la plaque de base (3).

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