

Title (en)  
DEVICE FOR ADJUSTING THE LENGTH OF A SKI SAFETY ATTACHMENT

Title (de)  
LÄNGENVERSTELLEINRICHTUNG EINER SICHERHEITSSKIBINDUNG

Title (fr)  
DISPOSITIF DE REGLAGE EN LONGUEUR D'UNE FIXATION DE SECURITE DE SKI

Publication  
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Application  
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Abstract (en)  
[origin: US6824158B1] This invention concerns a basic arrangement of a ski binding having a front part or a toe end and a rear part or a heel end for securing the ski boot, and also having a front supporting part, longitudinally displaceable on a first base part fixed on the ski, for supporting the front boot holding part, and a rear supporting part, longitudinally displaceable on another base part fixed on the ski, for supporting the rear boot holding part. The invention further includes an adjusting device designed as a rack-and-pinion gear for simultaneous adjustment of both supporting parts; this adjusting device has two toothed racks, each connected to a supporting part, and a manually operable, lockable gearwheel which meshes with both toothed racks between the two supporting parts. In one embodiment, the gearwheel is arranged on a middle base part in an essentially stationary mount on the ski, and is separate from the front and rear base parts, and is held indirectly on the ski by the front and rear base parts. In another embodiment, the gearwheel has an unlocked position which is raised vertically relative to the top side of the ski for the rotational adjustment, and a locked position which is depressed toward the top side of the ski.

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