

Title (en)
Safety ski binding with sole hold-down.

Title (de)
Sicherheitsvorderbacken einer Skibindung.

Title (fr)
Butée avant d'une fixation de sécurité de ski.

Publication
EP 0429890 B1 19940928 (DE)

Application
EP 90121137 A 19901105

Priority
DE 3939883 A 19891201

Abstract (en)
[origin: EP0429890A2] A toe iron of a safety ski binding has a basic body (11) which is to be attached to the ski and at which a sole-holder (13), which holds an inserted ski boot from above and from the sides, is mounted so that it can be pivoted up about a transverse axle (12) arranged in the front end region and at the bottom. The sole-holder has two lateral jaws (17, 18) which can be swivelled out laterally about vertical axles (15, 16) located on both sides of the longitudinal mid-axis (14). A release spring (20), which is accommodated in a hollow space (19) of the sole-holder (13) and extends essentially in the direction of the longitudinal mid-axis (14), prestresses both the lateral jaws (17, 18) and the sole-holder (13) towards their ski boot holding position via a lifting and connecting link mechanism. Via two control levers (23, 24), mounted on the sole-holder (13) about a vertical axis (21, 22) in each case, and a common yoke member (25), the lateral jaws (17, 18) are charged by one end of the release spring (20) which is supported by the other end on the sole-holder (13). Additionally, after overcoming a clearance (26) within the scope of different sole thicknesses of the ski boot to be inserted, the release spring (20) acts via the yoke member (25) on a holding-down cam (27) which is displaceable in the direction of the longitudinal mid-axis (14), is mounted on the sole-holder (13) and interacts with a connecting link wall (28), rising obliquely from the rear to the front, on the basic body (11). <IMAGE>

IPC 1-7
A63C 9/085

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

CPC (source: EP US)
A63C 9/08521 (2013.01 - EP US); **A63C 9/08542** (2013.01 - EP US); **A63C 9/08564** (2013.01 - EP US); **A63C 9/08578** (2013.01 - EP US); **A63C 9/001** (2013.01 - EP US); **A63C 9/08571** (2013.01 - EP US)

Cited by
FR2690080A1; FR2806639A1; EP1138355A1; US6550800B2

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EP 0429890 A2 19910605; EP 0429890 A3 19911002; EP 0429890 B1 19940928; AT E112175 T1 19941015; DE 3939883 A1 19910606; DE 59007331 D1 19941103; US 5121939 A 19920616

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