

Title (en)  
A TOE-PIECE OF A SKI BINDING

Title (de)  
VORDERBACKEN EINER SKIBINDUNG

Title (fr)  
BUTÉE AVANT D'UNE FIXATION DE SKI

Publication  
**EP 3508259 A1 20190710 (EN)**

Application  
**EP 18215822 A 20181224**

Priority  
IT 201800000399 A 20180103

Abstract (en)  
A toe-piece of a ski binding (1), comprising: a member (2); a first jaw (31) which in turn comprises: a first main body (3) which is rotatably coupled to the member (2), for rotating between an internal position and an external position; a first hooking pin (5) for inserting in a first hole (7) fashioned in a ski boot (11); a second jaw (32) which in turn comprises: a second main body (4) which is rotatably coupled to the member (2), for rotating between an internal position and an external position; a second hooking pin (6) for inserting in a second hole (8) fashioned in the ski boot (11); the toe-piece of the ski binding (1) being configured so as to assume a hooked configuration of the ski boot (A1), wherein the first main body (3) is in the internal position and the second main body (4) is in the internal position, with the consequence that the first hooking pin (5) and the second hooking pin (6) are at a first distance from one another so as to insert in the first hole (7) and the second hole (8) of the ski boot (11) when the ski boot (11) is neared to the toe-piece of the ski binding (1); so as to assume an unhooked configuration of the ski boot (A2), wherein the first main body (3) is in the external position and the second main body (4) is in the external position, with the consequence that the first hooking pin (5) and the second hooking pin (6) are at a second distance from one another, greater than the first distance, for enabling the ski boot (11), once unhooked, to distance from the toe-piece of the ski binding (1). The toe-piece of the ski binding (1) comprises a first arm (9) which is rotatably coupled to the first main body (3) so as to rotate between a internal position and an external position, and which bears the first hooking pin (5). The toe-piece of the ski binding (1) is configured in such a way that: in the hooked configuration of the ski boot (A1) and in the unhooked configuration of the ski boot (A2) the first arm (9) is in the internal position; starting from the hooked configuration of the ski boot (A1) and in a case of a stress leading to the unhooked configuration of the ski boot (A2), the movement of the ski boot (11) can determine, by means of the coupling between the first hooking pin (5) and the first hole (7), the rotation of the first arm (9) into the external position so that the first hooking pin (5) reaches a distance from the second hooking pin (6) which is greater than the second distance, thus facilitating the distancing of the ski boot (11) from the toe-piece of the ski binding (1).

IPC 8 full level  
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CPC (source: EP)  
**A63C 9/0807** (2013.01); **A63C 9/08528** (2013.01); **A63C 9/086** (2013.01)

Citation (search report)  
• [XA] EP 2774661 A2 20140910 - MICADO CAD SOLUTIONS GMBH [AT]  
• [A] EP 3184156 A1 20170628 - SALOMON SAS [FR]  
• [A] CH 705586 A2 20130415 - FRITSCHI AG SWISS BINDINGS [CH]  
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Designated extension state (EPC)  
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