

Title (en)  
FRONT JAW FOR SAFETY SKI BINDINGS

Publication  
**EP 0271693 A3 19890315 (DE)**

Application  
**EP 87116253 A 19871104**

Priority  
DE 8633619 U 19861216

Abstract (en)  
[origin: US4930802A] In accordance with the present invention, there is provided a toe piece for holding a ski-boot in a safety ski-binding, which toe piece is pivotable against a biasing force when excessive side forces occur. The toe piece includes a base plate, a housing mountable to the base plate and a pair of elongated, generally parallel side members, each pivotally mounted at one end of the base plate. A coupling member pivotally connects the other ends of the side members to each other to form a linkage. The linkage is laterally movable relative to the base plate about the pivotally mounted ends of the side members. A detent assembly operable against a biasing force is provided for centering the linkage. The toe piece also includes a pair of side boot holders pivotally connected to the coupling member. A lever centrally located relative to the side boot holders has end portions in operative engagement with the side boot holder. The lever is pivotally mounted on the linkage for movement therewith and is operative to maintain the side boot holders in a boot holding position when the lever is in a first position and to allow movement of a side holder to a boot releasing position when the lever is in a second position. A lever actuating member extends from the housing in a fixed position relative to the longitudinal axis of the ski. Control members are provided on the end portions of the lever to operatively engage the lever actuating member such that when the linkage moves beyond a predetermined distance from center, the lever moves from the first position to the second position thereby releasing the side boot holder on the side to which the linkage moves.

IPC 1-7  
**A63C 9/085**

IPC 8 full level  
**A63C 9/085** (2006.01)

CPC (source: EP US)  
**A63C 9/08521** (2013.01 - EP US); **A63C 9/0855** (2013.01 - EP US); **A63C 9/08571** (2013.01 - EP US)

Citation (search report)  
• [A] WO 8502551 A1 19850620 - MARKER PATENTVERWERTUNGS GMBH [CH]  
• [A] DE 2637870 A1 19780302 - VER BAUBESCHLAG GRETSCH CO  
• [APD] DE 3539969 A1 19870514 - MARKER DEUTSCHLAND GMBH [DE]

Cited by  
WO9009821A1; WO9637271A1

Designated contracting state (EPC)  
AT CH DE FR IT LI

DOCDB simple family (publication)  
**US 4930802 A 19900605**; AT E68984 T1 19911115; DE 3774250 D1 19911205; DE 8633619 U1 19880414; EP 0271693 A2 19880622; EP 0271693 A3 19890315; EP 0271693 B1 19911030; JP S63160683 A 19880704

DOCDB simple family (application)  
**US 13174487 A 19871211**; AT 87116253 T 19871104; DE 3774250 T 19871104; DE 8633619 U 19861216; EP 87116253 A 19871104; JP 31730887 A 19871215