

Title (en)  
SAFETY SKI BINDING

Publication  
**EP 0220393 B1 19900228 (EN)**

Application  
**EP 86110504 A 19860730**

Priority

- GB 8519346 A 19850801
- GB 8520679 A 19850819
- GB 8528932 A 19851125
- GB 8601235 A 19860120

Abstract (en)  
[origin: EP0220393A1] A ski-boot is secured by its prominent welts to a ski, between arms (39) mounted on two spheroids (3) each in separate bindings (51) (52). Release is achieved, by the forces acting on the ski-boot, rotating the spheroids against spring-loaded plungers (4), bearing in recesses in the spheroids (36), shaped so as to give a different reaction in different directions, until the plungers are no longer contained. The action of the plungers is controlled by detents (14), which unlock the constraint of the plungers on the spheroid's rotation, when a piston (30) is moved by an anti-freeze fluid, because the rate of flow of the fluid exceeds a by-pass (17) (18) system's capability. As one of the plungers (43) is fixed with respect to its housing (42), the displacement of its spheroid, due to rotation, is transferred through the ski-boot to the other binding, resulting in displacement of its spheroid (3) and container against its spring (20), which thus loads both plungers.

IPC 1-7  
**A63C 9/08**

IPC 8 full level  
**A63C 9/08** (2006.01)

CPC (source: EP)  
**A63C 9/0802** (2013.01)

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

DOCDB simple family (publication)  
**EP 0220393 A1 19870506; EP 0220393 B1 19900228; DE 3669111 D1 19900405**

DOCDB simple family (application)  
**EP 86110504 A 19860730; DE 3669111 T 19860730**