

Title (en)
SAFETY SKI BINDING

Publication
EP 0091574 B1 19850522 (DE)

Application
EP 83102744 A 19830319

Priority
AT 123082 A 19820330

Abstract (en)
[origin: US4516791A] A safety ski binding includes a holding jaw and a jaw which can be released electrically under control of a control circuit. The holding jaw includes two movable sole holders having thereon pistons movable in respective, fluid-filled chambers. The holding jaw also includes a movable stepping plate, and the stepping plate and one sole holder can each flex respective membranes of a further fluid-filled chamber. Each of the three chambers communicates with a respective piezoelectric element which is connected to the control circuit. Forces applied to the holding jaw by a ski boot can increase the pressure in the various chambers and the piezoelectric elements each produce a signal proportional to such pressure, the control circuit electrically releasing the other jaw if the forces exceed predetermined values.

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A63C 9/08

IPC 8 full level
G01L 5/03 (2006.01); **A63C 9/088** (2012.01)

CPC (source: EP US)
A63C 9/088 (2013.01 - EP US)

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