

Title (en)
Cross-country ski with a ski binding device.

Title (de)
Langlaufski mit Skibindungsvorrichtung.

Title (fr)
Ski de fond avec dispositif de fixation de la chaussure.

Publication
EP 0267130 A1 19880511 (FR)

Application
EP 87420293 A 19871028

Priority
FR 8615258 A 19861029

Abstract (en)
1. Cross-country ski equipped with a device for fixing the boot, this fixing device comprising means for indirect articulation of the boot, characterised - in that the upper part (2) of the body of the ski has two transverse recesses (19), which are symmetrical in relation of the medial longitudinal axis of the ski, extending along a defined section (L) of the ski starting under the point intended for the point of the boot and continuing in the direction of the tip, these two recesses (19) giving to this upper part (2) and this section (L) of the ski two vertical lateral sides (20) which between them allow the vertical passage of two first longitudinal arms (18), this vertical passage occurring by means of the rotation of these two arms around their higher ends, each of which is articulated to one of the two ends of a transverse shaft (6) which crosses these lateral sides approximately under the point intended for the point of the boot, - in that the lower ends of these two arms provide articulation for the lower ends (24, 25) of two second longitudinal arms (17), each placed above the first linked arm (18), in the same vertical plane and so as to form an acute angle (a) with this first arm (18), - and in that the higher sections of these two arms serve to attach the boot-fixing device (7) directly to them, the first arms being lowered when the back of the boot is lifted on striding, whilst at the same time the angle (a) between each first and second arm increases and the point of the boot moves forward, on the upper part (3) of the ski, the means (17, 16) being in addition provided on the rotating structure formed by the transverse shaft (6) and the four longitudinal arms (17, 18) to return automatically the back of the foot to its starting position after the stride.

Abstract (fr)
Ski de fond avec son dispositif de fixation de la chaussure, ce dispositif de fixation comportant des moyens pour l'articulation indirecte de la chaussure. La partie supérieure (2) du ski (1) présente deux décrochements (19) lui conférant, sur une longueur (L), des faces latérales verticales (20) en avant de la chaussure. Des bras longitudinaux superposés (18,17) peuvent se débattre le long de ces parois, par rotation autour d'un axe transversal amont (6). Ils portent la fixation (7) et sont articulés, avec force de rappel élastique, autour de leurs extrémités aval, de sorte que, lors de la foulée, la pointe de la chaussure avance sans se soulever.

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IPC 8 full level
A63C 5/04 (2006.01); **A63C 9/20** (2012.01)

CPC (source: EP)
A63C 5/04 (2013.01); **A63C 9/20** (2013.01)

Citation (search report)
• [A] EP 0167462 A1 19860108 - ROSSIGNOL SA [FR]
• [A] FR 2540392 A1 19840810 - SALOMON & FILS F [FR]

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