

Title (en)
A CROSS-COUNTRY SKI FOR PRACTICING CLASSIC CROSS-COUNTRY SKIING

Title (de)
LANGLAUFSKI FÜR KLASSISCHEN SKILANGLAUF

Title (fr)
SKI DE FOND POUR LA PRATIQUE DU SKI DE FOND CLASSIQUE

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Application
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Abstract (en)
[origin: WO2013089637A1] The invention relates to a cross-country ski for classic cross-country skiing, including a gliding phase and a kicking phase. The ski comprises a common, continuous lower surface having a front and a rear glide zone and a central grip zone, the ski being formed with a central upward bent camber, which exerts a camber force against depression of the camber, such that in the gliding phase the ski is able to bear the weight of a skier while maintaining the central grip zone spaced from an underlying snow surface, whereas in the kicking phase, when the skier is exerting a kicking force towards the ski, the camber force is overcome and the grip zone is pressed towards the underlying snow surface. The ski additionally comprising a front part, a rear part and a camber regulating mechanism, said front part and said rear part being joined by an intermediate low flexural resistance portion of the ski having a reduced flexural resistance in comparison to adjacent portions of the ski, wherein the camber regulating mechanism has a high camber state and a low camber state where said high camber state is a state when the camber is maximally curved upwards and the grip zone is not in contact with the underlying snow surface, whereas the low camber state is a state when the camber is low and the grip zone is in contact with the underlying snow surface. The camber regulating mechanism is bridging over the low flexural resistance portion and interconnecting the front and the rear parts and is designed such that it, at least in the high camber state, contributes to the overall camber force acting against depression of the camber and such that the camber force from the camber regulating mechanism is lower at the low camber state than at the high camber state or at a dead center position between the high camber state and the low camber state.

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