

Title (en)
SKI RUNNING SURFACE

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Application
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Priority
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Abstract (en)
[origin: US4705290A] Running sole structuring for a ski, especially for a cross-country ski. The object of the invention is to provide a new profiling which combines optimum gliding and climbing characteristics. Therefore, it is the object of the invention, to provide a suitable shaping of the profiling which fully considers the special requirements under different snow conditions as well as the special loadings of the ski during the push-off and gliding phases, as well as the process of sticking and gliding friction and the transitional phases associated therewith directly. This object is solved according to the invention by the provision of exclusively straight, vertical and parallel arranged profile edges with respect to the direction of the run which are also two-dimensional in the plane of contact with the snow and are statistically arranged and, wherein the adjacent pairs of climbing edge rows lying behind each other lie on a gliding arc. It is preferred when the mean edge length (\bar{l}) in the push-off region (A) is the smallest and increases continuously and/or discontinuously toward one ski tip, respectively ski end, and wherein in the end region of the longitudinal extent of the profiling the maximum value for the mean edge length (\bar{l}) is attained. (FIG. 2 with FIG. 3 together).

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