

Title (en)

AUTONOMOUS ELECTROMAGNETIC CONTROL SYSTEM FOR BINDING BOOTS TO A SNOWBOARD, SKIS OR SIMILAR

Title (de)

AUTONOMES ELEKTROMAGNETISCHES STEUERSYSTEM ZUM BINDEN VON STIEFELN AN SNOWBOARDS; SKIER ODER ÄHNLICHES

Title (fr)

SYSTEME ELECTROMAGNETIQUE AUTONOME DE COMMANDE DE SOUTIEN DE BOTTES SUR UNE PLANCHE DE SNOWBOARD, DES SKIS OU ANALOGUES

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Application

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Abstract (en)

The invention relates to an autonomous electromagnetic control system for binding boots to a electromagnetic control system for binding boots to a snowboard, skis or generally any board used for sports, surf as a skateboard or a surfboard. The inventive system is disposed on the clothing and boots of the sportsperson as well as on the board, in order to ensure the safe practice of said sports. According to the invention, the system comprises, rechargeable batteries; electric or solar chargers; power switches; electromagnetic gripper elements or electromagnets which are provided in each boot; slabs; sheets or particles of a ferromagnetic material, which are housed in the board(s) on which the boots are positioned and fixed; and optionally, a system for the transmission/reception of commands, using electromagnetic waves or infrared rays, which is used to control the aforementioned switches and which can be equipped with a voice recognition device. In this way, a sportsperson equipped with any of the optional system configurations, comprising suit/boots and board or board(s), can slide on the corresponding surface securely and with optimal control. In addition, the system enables the user to detach him/herself from the board quickly, conveniently, remotely and autonomously, without the need for an automatic board-release system that is not controlled by the user.

IPC 8 full level

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