

Title (en)

RIDING HELMET HAVING A BLUETOOTH INTERFACE AND A BONE CONDUCTION-BASED SOUND TRANSMISSION DEVICE

Title (de)

FAHRRADHELM MIT EINER BLUETOOTH-SCHNITTSTELLE UND TONÜBERTRAGUNG VIA KNOCHENSCHALL

Title (fr)

CASQUE DE VÉLO MUNI D'UNE INTERFACE BLUETOOTH ET D'UN DISPOSITIF DE TRANSMISSION DU SON PAR OSTÉOPHONIE

Publication

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Application

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Priority

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- IB 2017000054 W 20170130

Abstract (en)

[origin: US2017215512A1] The disclosure relates to a bone conduction-based Bluetooth wireless riding helmet comprising a helmet body, a regulator at an interior of the helmet body, a brim at a front end of the helmet body, and a drawstring connecting two sides of a bottom of the helmet and the drawstring is fixed on the helmet through a quick release buckle; wherein an interior of the helmet body is provided with a removable bone conductor that is electrically connected with a power system and a control system; wherein the control system is electrically connected with a regulating device on the drawstring. The disclosure has the following beneficial effects. On the bone conduction-based helmet, a bone conduction-based vibrator sound source is embedded on each side of the helmet and perfectly integrated with the helmet, so that sounds can be clearly heard even when both ears of a rider are covered and even when it is used in a noisy environment.

IPC 8 full level

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CPC (source: EP US)

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