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 EN MATERIA DE PATENTES (PCT)**

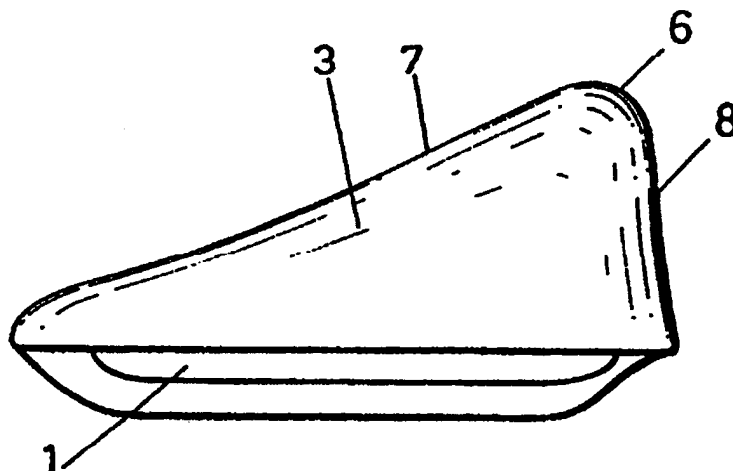
(51) Clasificación Internacional de Patentes ⁶ : B62K 21/26	A1	(11) Número de publicación internacional: WO 98/51560 (43) Fecha de publicación internacional: 19 de Noviembre de 1998 (19.11.98)
(21) Solicitud internacional: PCT/ES98/00136 (22) Fecha de la presentación internacional: 13 de Mayo de 1998 (13.05.98) (30) Datos relativos a la prioridad: U 9701322 13 de Mayo de 1997 (13.05.97) ES (71)(72) Solicitante e inventor: FRUCTUOSO SAURA, Francisco [ES/ES]; Calle Cánovas del Castillo, 7, 4º A, E-30003 Murcia (ES).	(81) Estados designados: AT, AU, CH, CN, DE, DK, GB, JP, LU, PL, PT, RO, RU, US, Patente europea (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Publicada <i>Con informe de búsqueda internacional.</i>	

(54) Title: COMPLEMENTARY HANDGRIP FOR BICYCLE HANDLEBAR

(54) Título: EMPUÑADURA COMPLEMENTARIA PARA MANILLAR DE BICICLETA

(57) Abstract

The invention relates to a complementary handgrip for a bicycle handlebar, particularly appropriate to be mounted on the conventional handlebar of racing bicycles such as the well known goat horn. The technical sector to which this invention pertains concerns handgrips but specially for bicycles. The problem to be solved is to provide a more appropriate biomechanical hold by the user of the bicycle handlebar. This handgrip is designed to be mounted to the rectilinear section of said handlebar and to provide an improved hand hold as well as a more physiological position of the particular chain of the upper part. This, as a consequence, has effects on the rachis and beneficiates the breathing process. The invention presents a body with an irregular approximately conical configuration of which the axis is substantially inclined and has a rounded apex so that the hand acquires a position turned towards supination with respect to the axis of the handlebar. The device is comprised of two elements, a rigid element and an elastomer element which is very thick and deformable in order to adapt itself to the hands of any individual and provide a more comfortable hold.



(57) Resumen

La invención consiste en una empuñadura complementaria para manillar de bicicleta, siendo especialmente idónea para colocar en el manillar habitual en las bicicletas de carreras, el popularmente conocido como de cuerno de cabra. El sector técnico al que pertenece es al de empuñaduras, pero especialmente para bicicletas. El problema técnico resuelto consiste en permitir un agarre biomecánicamente más correcto sobre el manillar de bicicleta. Dicha empuñadura está concebida para fijarse en el tramo recto de dicho manillar y permitir un agarre que posibilita un mejor apoyo de la mano así como una posición más fisiológica por parte de la cadena articular de la extremidad superior. Esto repercute sobre todo el raquis y beneficia el proceso respiratorio. La invención presenta un cuerpo de configuración aproximadamente cónica, irregular, de eje acusadamente inclinado y de vértice redondeado, de forma que la mano adquiere una posición girada hacia la supinación con respecto al eje del manillar. Está estructurado por dos elementos, uno rígido y otro elastomérico, muy grueso y deformable para adaptarse a las manos de cualquier individuo y hacer más cómodo el agarre.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES98/00136

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6: B62K21/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6: B62K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, CIBEPAT, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US-4930798-A (YAMAZAKI et al.) 05.06.1990 column 3, lines 17-35; column 4, lines 24-51; column 5, line 55- column 6, line 25; column 8, line 3-12; figures 1, 6-9, 16*	1, 3
A	US-4878397-A (LENNON) 07.11.1989 column 4, lines 62-66; column 6, line 52- column 7, line 5; figure 11*	1
A	WO-9303951-A (RUANA) 04.03.1993 page 4, lines 19-27; figures 1, 2, 7A, 7B, 7C*	1
A	US-4380093-A (MORGAN) 19.04.1983 the whole document	1
A	US-4403787-A (SHIMANO) 13.09.1983 the whole document	3



Further documents are listed in the continuation of Box C.



See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

3 AUGUST 1998 (03.08.98)

Date of mailing of the international search report

11 AUGUST 1998 (11.08.98)

Name and mailing address of the ISA/

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