

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

To:

see form PCT/ISA/220

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY
(PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/AT2006/000037

International filing date (day/month/year)
23.01.2006

Priority date (day/month/year)

International Patent Classification (IPC) or both national classification and IPC
INV. B62M25/04 B62L3/02

Applicant
CAMPAGNOLO S.R.L.

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

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Date of completion of
this opinion

see form
PCT/ISA/210

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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/IT2006/000037

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - the international application in the language in which it was filed
 - a translation of the international application into , which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1 (b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
 - a sequence listing
 - table(s) related to the sequence listing
 - b. format of material:
 - on paper
 - in electronic form
 - c. time of filing/furnishing:
 - contained in the international application as filed.
 - filed together with the international application in electronic form.
 - furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/T2006/000037

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1-18
	No: Claims	-
Inventive step (IS)	Yes: Claims	1-18
	No: Claims	-
Industrial applicability (IA)	Yes: Claims	1-18
	No: Claims	-

2. Citations and explanations

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

Re Item V.

1 Reference is made to the following document:
D1 : US 2002/124679 A1

2 INDEPENDENT CLAIM 1

2.1 Document D1 (cf. fig. 1-5), which is considered to represent the most relevant state of the art, discloses

A control device for a bicycle derailleur, comprising a support body (12), a cable-winding bush (24) supported for rotation with respect to the support body, an indexer mechanism (cf. fig. 2a) housed in the support body (12) and suitable for controlling the angular position of the cable-winding bush (24), and a single manual actuation lever (32), the indexer mechanism comprising a toothed wheel (36) integral in rotation with the cable winding bush (24) (cf. fig. 1) and having a first plurality of slanting teeth (40) and a second plurality of slanting teeth (38), a first pawl (28) and brought into thrusting engagement on the first teeth (40) (cf. fig. 3b) while the lever is manually moved in a first direction beyond a predetermined rotation threshold and a second pawl (46) driven out of retention engagement with the second teeth (38) as the driven arm (52) while the lever is manually moved in the first direction (S) up to the predetermined rotation threshold from which the subject-matter of claim 1 differs in that

the first pawl is integral with the driven arm of the lever.

The subject-matter of claim 1 is therefore new (Article 33(2) PCT).

The problem to be solved by the present invention may be regarded as to provide a control device for a bicycle derailleur with an alternative index mechanism.

The solution to this problem proposed in claim 1 of the present application is neither known from, nor rendered obvious by, the available prior art.

Re Item VIII.

According to page 3 of the description the problem to be solved by the current invention is to provide a mechanically functional control device, which is able to cause a single control lever, activatable in a single direction, to cause gearshift in a first direction by moving the control lever up to a predetermined rotation threshold (soft pushing), while causing gearshift in a second direction by moving the control lever beyond said predetermined rotation threshold (harder pushing).

However, present claim 1 does not contain all the essential structural features necessary to provide the result to be achieved, resp. to solve the problem.

Therefore present claim 1 does not meet the requirement following from Article 6 PCT taken in combination with Rule 6.3(b) PCT that any independent claim must contain all the technical features essential to the definition of the invention.