IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Control device for a bicycle derailleur, comprising:

a support body;

a cable-winding bush supported for rotation with respect to the support body;

an indexer mechanism housed in the support body and suitable for controlling [[the]] an angular position of the cable-winding bush; and

a single manual actuation lever mounted to the support body such that the lever rotates about first and second pivots having separate parallel axes ~~that rotates with respect to the support body about a first axis and a second axis that are parallel to each other~~;

wherein the indexer mechanism comprises:

a toothed wheel that rotates with the cable-winding bush, so that there is no relative movement between the toothed wheel and the cable-winding bush, and has a first plurality of slanting teeth and a second plurality of slanting teeth,

a first pawl that has a connection ~~is connected~~ to a driven arm of

the lever and moves with [[a]] the driven arm of the lever, the first pawl is capable of rotating about the axis of the first and/or the second pivot with the driven arm of the lever when the driven arm of the lever rotates about the axes of the first and second pivots, but the first pawl is not capable of rotating with respect to the driven arm of the lever about any pivot having an axis parallel to the axes of the first and second pivots ~~when the driven arm rotates about the first and the second axes, and is independent of the driven arm when the driven arm of the lever rotates about a third axis that is parallel to the first and second axes when the first pawl~~ and is in thrusting engagement with the first teeth while the lever is manually moved in a first direction beyond a predetermined rotation threshold, and

a second pawl driven out of retention engagement with the second teeth by the driven arm of the lever while the lever is manually moved in the first direction up to the predetermined rotation threshold.

2. (Original) Control device according to claim 1, wherein while the lever is manually moved to the predetermined rotation threshold, the first pawl comes into not interfering engagement with the first teeth and at the predetermined rotation threshold, the first pawl comes into interfering engagement with the first teeth.

3. (Original) Control device according to claim 1, wherein while the lever is manually moved beyond the predetermined rotation threshold, the second pawl

comes into not interfering engagement with the second teeth.

4. (Original) Control device according to claim 1, wherein while the lever rotates in a second direction opposite the first direction, the first pawl is disengaged from the first teeth and the second pawl is in retention engagement with the second teeth.

5. (Original) Control device according to claim 1, wherein when the lever is manually moved within the predetermined rotation threshold, the toothed wheel and the cable-winding bush rotate in an unwinding direction of a traction cable of the derailleur, fastened to the cable-winding bush.

6. (Original) Control device according to claim 5, wherein when the lever is manually moved up to the predetermined rotation threshold and then rotates in a second direction opposite the first direction, the toothed wheel and the cable-winding bush carry out a rotation in the unwinding direction of an amount equal to one pitch between the second teeth, and the second pawl moves from a first gap between the second teeth to an adjacent gap between the second teeth.

7. (Original) Control device according to claim 1, wherein when the lever is manually moved beyond the predetermined rotation threshold, the toothed wheel

and the cable-winding bush rotate in a winding direction of a traction cable fastened to the cable-winding bush.

8. (Original) Control device according to claim 7, wherein when the lever is manually moved beyond the predetermined rotation threshold, the toothed wheel and the cable-winding bush carry out a rotation in the winding direction by an amount equal to at least one pitch between the second teeth, and the second pawl moves from a first gap between the second teeth to an adjacent or subsequent gap between the second teeth.

9. (Original) Control device according to claim 1, wherein the rotation of the lever within the predetermined threshold takes place about a pivot supported by a connecting member coaxial with the toothed wheel.

10. (Original) Control device according to claim 9, wherein the rotation of the lever beyond the predetermined threshold takes place about an axis of the toothed wheel, integrally with the connecting member.

11. (Previously Presented) Control device according to claim 1, wherein said second pawl is formed on a driven arm of a swinging member pivoted onto the support body, and the driven arm of the lever, during manual displacement of the

driven arm of the lever up to the predetermined rotation threshold, controls a driving arm of the swinging member.

12. (Withdrawn) Control device according to claim 11, wherein the driven arm of the lever has a stepped profile for controlling the driving arm of the swinging member during the manual displacement of the lever up to the predetermined rotation threshold.

13. (Original) Control device according to claim 11, wherein the driven arm of the lever has a peg or a roller for controlling the driving arm of the swinging member.

14. (Withdrawn) Control device according to claim 11, wherein said indexer mechanism further comprises a second swinging member having a first arm hinge-like coupled with the driving arm of said swinging member, and the driven arm of the lever, during its manual displacement up to the predetermined rotation threshold, controls a second arm of the second swinging member.

15. (Withdrawn) Control device according to claim 1, further comprising return means for biasing the lever into rotation in a second direction opposite the first direction.

16. (Withdrawn) Control device according to claim 1, further comprising elastic means for biasing the second pawl into retention engagement with the second teeth.

17. (Original) Control device according to claim 1, further comprising a brake lever for controlling a brake of the bicycle.

18. (Withdrawn) Control device according to claim 17, wherein an actuation arm of the lever is provided with an articulation pivot essentially parallel to a pivot of the brake lever.

19. (Currently Amended) A control device for a bicycle derailleur, comprising:

a support body;

a cable-winding bush supported for rotation with respect to the support body;

an indexer mechanism housed in the support body and suitable for controlling [[the]] an angular position of the cable-winding bush; and

a manual actuation lever;

the indexer mechanism comprising:

a swinging member having a driven arm and a driving arm, [[and]] the swinging member is pivoted onto the support body about a swinging member pivot that is positioned between the driven arm and the driving arm;

a toothed wheel integral in rotation with the cable-winding bush, so that the toothed wheel and cable-winding bush function as a single unit, and having a first plurality of slanting teeth and a second plurality of slanting teeth;

a first pawl integrally formed as a portion of a driven arm of the lever and brought into thrusting engagement on the first teeth while the lever is manually moved in a first direction beyond a predetermined rotation threshold; and

a second pawl formed on the driven arm of the swinging member, wherein said second pawl disengages from the second teeth while the lever is manually moved in the first direction up to the predetermined rotation threshold, and the driven arm of the lever, during manual displacement of the driven arm of the lever up to the predetermined rotation threshold, controls the driving arm of the swinging member.

20. (Currently Amended) A control device for a bicycle derailleur, comprising:

a support body;

a cable-winding bush supported for rotation with respect to the support body;

an indexer mechanism housed in the support body and suitable for controlling [[the]] an angular position of the cable-winding bush; and

a single manual actuation lever;

the indexer mechanism comprising:

a swinging member having a driven arm and a driving arm, [[and]] the swinging member is pivoted onto the support body about a swinging member pivot that is positioned between the driven arm and the driving arm;

a toothed wheel that rotates with the cable-winding bush, so that there is no relative movement between the toothed wheel and the cable-winding bush, and has a first plurality of slanting teeth and a second plurality of slanting teeth;

a first pawl formed integrally with a driven arm of the lever and brought into thrusting engagement on the first teeth while the lever is manually moved in a first direction beyond a predetermined rotation threshold; and

a second pawl formed on the driven arm of the swinging member, wherein said second pawl disengages from the second teeth while the lever is manually moved in the first direction up to the predetermined rotation threshold, and the driven arm of the lever, during manual displacement of the driven arm of the lever up to the predetermined rotation threshold, controls the driving arm of the swinging member;

wherein while the lever is manually moved to the predetermined rotation threshold, the first pawl disengages from the first teeth and at the predetermined rotation threshold, the first pawl comes into interfering engagement with the first teeth;

wherein while the lever is manually moved beyond the predetermined rotation threshold, the second pawl disengages from the second teeth; and

wherein while the lever rotates in a second direction opposite the first direction, the first pawl is out of engagement with the first teeth and the second pawl is in retention engagement with the second teeth.

21. (Currently Amended) A control device for a bicycle derailleur, comprising:

a support body;

a cable-winding bush supported for rotation with respect to the support body;

an indexer mechanism housed in the support body and suitable for controlling [[the]] an angular position of the cable-winding bush; and

a single manual actuation lever;

the indexer mechanism comprising:

a swinging member having a driven arm and a driving arm, [[and]] the swinging member is pivoted onto the support body about a swinging member pivot that is positioned between the driven arm and the driving arm;

a toothed wheel that functions with the cable-winding bush, so that there is no relative movement between the toothed wheel and the cable-winding bush, and having a first plurality of slanting teeth and a second plurality of slanting teeth;

a first pawl integral with a driven arm of the lever, so that there is no relative movement between the first pawl and the driven arm of the lever, and is in thrusting engagement with the first teeth while the lever is manually moved in a first direction beyond a predetermined rotation threshold; and

a second pawl formed on the driven arm of the swinging member, wherein said second pawl disengages from the second teeth while the lever is manually moved in the first direction up to the predetermined rotation threshold, and the driven arm of the lever, during its manual displacement up to the predetermined rotation threshold, controls the driving arm of the swinging member;

wherein while the lever is manually moved to the predetermined rotation threshold, the first pawl disengages from the first teeth, and the toothed wheel and the cable-winding bush rotate in an unwinding direction of a traction cable of the derailleur, fastened to the cable-winding bush;

when the lever is at the predetermined rotation threshold, the first pawl comes into interfering engagement with the first teeth;

wherein while the lever is manually moved beyond the predetermined rotation threshold, the second pawl disengages from the second teeth, and the toothed wheel and the cable-winding bush rotate in a winding direction of a traction cable fastened to the cable-winding bush; and

wherein while the lever rotates in a second direction opposite the first direction, the first pawl is out of engagement with the first teeth and the second pawl is in retention engagement with the second teeth.

22. (Currently Amended) A control device for a bicycle derailleur, comprising:

a single manual actuation lever that is movable in a first direction to a

predetermined rotation threshold to initiate one of an upwards or downwards gearshifting operation, and manually movable in the first direction beyond the predetermined rotation threshold to initiate the other one of an upwards or downwards gearshifting operation, the single manual actuation lever is mounted to the support body such that the lever rotates about first and second pivots having separate parallel axes;

wherein ~~when the lever is manually moved beyond the predetermined rotation threshold,~~ a first pawl ~~integrally formed with~~ has a connection to a driven arm of the lever, and the first pawl moves in a plane orthogonal to the separate parallel axes, wherein the first pawl in said plane is only capable of rotating about the axis of the first and/or second pivot with the driven arm of the lever, and the first pawl is in thrusting engagement with first teeth of the indexer mechanism's toothed wheel while the lever is manually moved beyond a predetermined rotation threshold;

wherein when the lever is manually moved up to the predetermined rotation threshold, a second pawl disengages from second teeth of an indexer mechanism's toothed wheel; [[and]]

wherein the indexer mechanism's toothed wheel is biased to rotate in a first direction under tension from a cable;

wherein the movement of the lever to and beyond the predetermined rotation threshold rotates the indexer mechanism's toothed wheel and creates or relieves tension in the cable; and

wherein the creation of tension in the cable and relief of tension in the cable causes one of an upwards or downwards gearshifting operation.