CLAIMS

[Claim 1]

An optical fiber cleaver for cutting an optical fiber, the optical fiber cleaver comprising:

a cleaver base body including a holder guide portion which positions a fiber holder holding the optical fiber;

a slider movably attached to the cleaver base body and including a blade member which pierces the optical fiber;

a cleaver lid body attached to the cleaver base body to be openable and closable and moving the slider to return to an initial position by closing with respect to the cleaver base body;

a count indication mechanism provided in the cleaver base body for counting and indicating the number of times the slider returns to the initial position; and

a control means which mechanically controls the count indication mechanism to enable a counting operation of the count indication mechanism only when the fiber holder is set in the holder guide portion.

[Claim 2]

The optical fiber cleaver according to claim 1, wherein the control means comprises a pawl member provided in the holder guide portion and pressed when the fiber holder is set in the holder guide portion; and a rotation driving means which rotates the count indication mechanism by an angle corresponding to 1 count only when the slider returns to the initial position in a state in which the pawl member is pressed.

[Claim 3]

The optical fiber cleaver according to claim 2, wherein the rotation driving means comprises a projecting portion provided in the slider; a rotation member provided in the cleaver base body to rotate in interlock with the pawl member and including an engagement portion which engages with the projecting portion when the pawl member is pressed; an auxiliary gear attached to the count indication mechanism; and an engagement piece provided in the rotation member and engaging with the auxiliary gear.

[Claim 4]

The optical fiber cleaver according to claim 3, wherein:

the engagement portion includes an inclined surface inclined to rotate the rotation member as the projecting portion is directed to the initial position in a state in which the pawl member is pressed,

the number of engagement pieces is 2, and

the two engaging pieces engage with the auxiliary gear in different positions and at different timings.

CLAIMS

[Claim 1]

An optical fiber cleaver for cutting an optical fiber, the optical fiber cleaver comprising:

a cleaver base body including a holder guide portion which positions a fiber holder holding the optical fiber;

a slider movably attached to the cleaver base body between an initial cutting position at which cutting of the optical fiber begins and a final cutting position at which cutting of the optical fiber ends, and including a blade member which pierces the optical fiber when returning from the initial cutting position to the final cutting position;

a cleaver lid body attached to the cleaver base body to be openable and closable and moving the slider to return to an initial position from the initial cutting position to the final cutting position by closing with respect to the cleaver base body;

a count indication mechanism provided in the cleaver base body for counting and indicating the number of times the slider returns to the initial position from the initial cutting position to the final cutting position; and

a control means which mechanically controls the count indication mechanism to enable a counting operation of the count indication mechanism only when the fiber holder is set in the holder guide portion.

[Claim 2]

The optical fiber cleaver according to claim 1, wherein the control means comprises a pawl member provided in the holder guide

portion and pressed when the fiber holder is set in the holder guide portion; and a rotation driving means which rotates the count indication mechanism by an angle corresponding to 1 count only when the slider returns from the initial cutting position to the final cutting position in a state in which the pawl member is pressed.

[Claim 3]

The optical fiber cleaver according to claim 2, wherein the rotation driving means comprises a projecting portion provided in the slider; a rotation member provided in the cleaver base body to rotate in interlock with the pawl member and including an engagement portion which engages with the projecting portion when the pawl member is pressed; an auxiliary gear attached to the count indication mechanism; and an engagement piece provided in the rotation member and engaging with the auxiliary gear.

[Claim 4]

The optical fiber cleaver according to claim 3, wherein:

the engagement portion includes an inclined surface inclined to rotate the rotation member as the projecting portion is directed from the initial cutting position to the final cutting position in a state in which the pawl member is pressed,

the number of engagement pieces is 2, and

the two engaging pieces engage with the auxiliary gear in different positions and at different timings.