CLAIMS

1. A concrete member cutting device for cutting/dismantling a concrete member, the device comprising:

an adapter which is attached to a base machine so as to support the cutting device;

a guide frame which includes a base portion that is integrally attached to the adapter and a pair of guide portions that linearly extend forward from both side portions of the base portion, the guide frame being formed in a substantially C shape by the base portion and the pair of guide portions; and

a wire saw which is wound around the plurality of pulleys in an endless loop shape so as to cyclically pivot by rotationally driving a drive pulley among the plurality of pulleys, and

wherein the plurality of pulleys include

the drive pulley which is rotationally driven,

a guide pulley for supporting the wire saw so as to be pivotable,

a tension pulley which is arranged so as to be movable forward and rearward in a forward-rearward direction so as to adjust a tension of the wire saw,

a pair of right and left propulsion pulleys arranged inside the guide portions so as to be movable forward and rearward in the forward-rearward direction, and

a pair of right and left draw cutting propulsion support pulleys arranged so as to be movable forward and rearward in the forward-rearward direction by being connected to the pair of propulsion pulleys, and arranged so that the wire saw therebetween cuts the concrete member and receives a reaction force.

2. A concrete member dismantling method of dismantling a concrete member of an RC structure or an SRC structure erected in an upward-downward direction, the method comprising:

using a wire saw cutting device, and cutting the concrete member by causing a wire saw to cyclically pivot and cut the concrete member according to a draw cutting method;

cutting by the wire saw cutting device so as to leave a reinforcing bar or a flange portion of a steel frame on a front side of the concrete member, and causing the wire saw cutting device to

completely carry out cutting work in a state where the concrete member is in a self-erectable state; and

toppling and dismantling the concrete member on the front side by gripping the concrete member.

3. The concrete member dismantling method according to claim 2,

wherein the concrete member cutting device according to claim 1 is used as the wire saw cutting device.