Claims

1. Underwater vehicle (1) with an optical beam operating system (2) configured to generate a beam weapon for material degradation of a target,
   - wherein the beam operating system (2) has a radiation generator (20) for generating a high-power radiation beam, a radiation emission device (22) for emitting the high-power radiation beam onto a target as a weapon and a radiation transmission device (24; 28) connecting the radiation generator (20) to the radiation emission device (22) for transmitting the high-power radiation beam from the radiation generator (20) to the radiation emission device (22);
   - wherein the radiation generator (20) is provided on or in the underwater vehicle (1) and
   - wherein the radiation emission device (22), which is adapted for emitting the high-power radiation beam, is configured so that it is raisable to the water surface (W) from the underwater vehicle (1)~~.~~, and
   - wherein the underwater vehicle (1) is equipped with a daughter vehicle (3) separable from it, which is connected via a connection apparatus (30) to the underwater vehicle (1),
     the radiation emission device (22) is provided in the daughter vehicle (3) and
     at least one section of the radiation transmission device (28) is provided in the connection apparatus or is connected to it.

~~2. Underwater vehicle according to claim 1,~~
~~**characterized in that**~~
~~the underwater vehicle (1) is equipped with at least one extendable mast (18) and that the radiation emission device (22) is provided in the region of the free end of the extendable mast (18).~~

~~3. Underwater vehicle according to claim 1,~~
~~**characterized in that**~~

~~- the underwater vehicle (1) is equipped with a daughter vehicle (3) separable from it, which is connected via a connection apparatus (30) to the underwater vehicle (1),~~
~~- the radiation emission device (22) is provided in the daughter vehicle (3) and~~
~~- at least one section of the radiation transmission device (28) is provided in the connection apparatus or is connected to it.~~

2~~4~~. Underwater vehicle according to claim 1~~3~~,
characterized in that
the daughter vehicle (3) is designed as a tow buoy.

3~~5~~. Underwater vehicle according to claim 1~~3~~ or 24,
characterized in that
the daughter vehicle (3) is equipped with a stabilization platform (34) on which the radiation emission device (22) is arranged.

~~6. Underwater vehicle according to claim 2,~~
~~**characterized in that**~~
~~the radiation transmission device (24) runs at least section-wise inside the mast (18).~~

~~7. Underwater vehicle according to claim 6,~~
~~**characterized in that**~~
~~the radiation transmission device (24) is formed from an optical conductor (24') or has at least one optical conductor (24').~~

~~8. Underwater vehicle according to claim 6 or 7,~~
~~**characterized in that**~~
~~at least the part of the radiation transmission device (24) running inside the mast (18) is formed of an open optical transmission segment (24'').~~

4~~9~~. Underwater vehicle according to one of the preceding claims,

characterized in that

the radiation generator (20) is provided inside the pressure hull (12) of the underwater vehicle (1).

5 5~~10~~. Underwater vehicle according to one of the preceding claims,

characterized in that

the radiation emission device (22) is equipped with a, preferably optical or electro-optical, targeting device