Claims

1. Offshore farming system (100) comprising an elongated vertical support column (200) floating vertically in water with a ~~larger~~ longer extension below sea surface (10) than above the sea surface (10), and a rigid cage structure (300) enclosing the elongated vertical support column (200) in circumferential direction, wherein ~~characterized in that~~ the rigid cage structure (300) is arranged movable in longitudinal direction of the elongated vertical support column (200) and wherein the extension of the elongated vertical support column (200) below the sea surface (10) enables the rigid cage structure (300), by movement in longitudinal direction of the elongated support column (200), to be submerged to a position below affection of waves at a location of the offshore farming system and/or below area where lice and similar organisms live that affect farmed marine species at a location offshore of the offshore farming system, characterized in that

the rigid cage structure (300) is provided with controllable ballast means, and wherein the offshore farming system (100) comprises controllable moving means (800) for controlled movement of the cage structure (300) in longitudinal direction of the elongated vertical support column (200) in combination with the controllable ballast means in the cage structure (300).

2. Offshore farming system (100) according to claim 1, characterized in that the elongated vertical support column (200) at lower part thereof is provided with permanent and/or controllable ballast means (210, 240) providing a gravity center below buoyancy center for the elongated vertical support column (200).

3. Offshore farming system (100) according to claim 1, characterized in that the elongated vertical support column (200) is provided with wave dampening means (250) arranged at a wave affected area of the elongated vertical support column (200).

4. Offshore farming system (100) according to claim 1, characterized in that the cage structure (300) in addition is provided with means for permanent ~~and/or controllable~~ ballast.

5. Offshore farming system (100) according to claim 3, characterized in that the wave dampening means (250) are arranged for generation of energy.

6. Offshore farming system (100) according to claim 1, characterized in that the cage structure (300) is provided with cage sides (330) limiting~~/~~ or closing the sides thereof.

7. Offshore farming system (100) according to claim 6, characterized in that the cage structure (300) is provided with cage sides (330) dividing the interior of the cage structure (300) in several sub-cages~~/~~ or individual cages (300a).

~~8. Offshore farming system (100) according to claim 1 and 4, **characterized in** that the offshore farming system (100) comprises controllable moving means (800) for controlled movement of the cage structure (300) in longitudinal direction of the elongated vertical support column (200) in combination with the means for controllable ballast in the cage structure (300).~~

~~9~~8. Offshore farming system (100) according to any preceding claim, characterized in that the offshore farming system (100) is provided with means (350, 351) for feeding under water.

~~10~~9. Offshore farming system (100) according to any preceding claim, characterized by that the cage structure (300) is prevented from rotating about the elongated vertical support column (200) by corresponding means (340, 341) arranged in the elongated vertical support column (200) and the cage structure (300).

~~11~~10. Offshore farming system (100) according to any preceding claim, characterized by that the elongated vertical support column (200) is provided with at least one feed storage tank (230) at lower part thereof.

~~12~~11. Offshore farming system (100) according to claim 11, characterized by that the elongated vertical support column (200) is provided with ballast tanks (220) controllable based on amount of feed in the at least one feed storage tank (230).

~~13~~12. Offshore farming system (100) according to any preceding claim, characterized by that cage structure (300) is provided with a centre of gravity that is below centre of buoyancy.