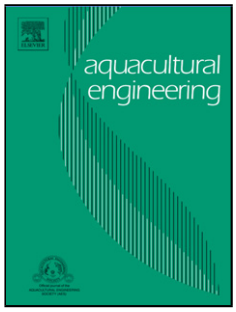

Title: Development of an innovative ring-shaped cultivation system for a land-based cultivation of marine macroalgae

Authors: Stefan Sebök, Werner B. Herppich, Dieter Hanelt

PII: S0144-8609(16)30221-7
DOI: http://dx.doi.org/doi:10.1016/j.aquaeng.2017.01.005
Reference: AQUE 1883

To appear in: *Aquacultural Engineering*

Received date: 2-12-2016
Revised date: 16-1-2017
Accepted date: 17-1-2017

Please cite this article as: Sebök, Stefan, Herppich, Werner B., Hanelt, Dieter, Development of an innovative ring-shaped cultivation system for a land-based cultivation of marine macroalgae.Aquacultural Engineering http://dx.doi.org/10.1016/j.aquaeng.2017.01.005

Highlights

An innovative, closed, ring-shaped cultivation vessel was developed by simplifying tumble movement to a circular motion pattern.

New cultivation vessel combines adaptability and manageability with growth rates similar or better than standard tank cultivation.

New cultivation vessel distinctly reduces variable cost, facilitates control of the cultivation process and eliminates interferences with the environment.