

Solar lighting system for aquaculture ponds



Energías

Aquaculture

Description

This invention consists of a natural lighting system comprising a translucent device, and a conduction one, as well as one or more light filters according to the intended application. This system delivers irradiation similar to that found in the ocean where marine species that are the subject of captive breeding live.

Contrarily to conventional systems, this system allows species to complete their growth cycles, to have better development and reproduction and to develop more vivid colors, giving the product a higher commercial value. Moreover the system does not consume energy.

Application

This system helps eliminate light stress affecting most fish farms. It can also be used in greenhouses requiring very specific amounts of light, such as those in which fungi are grown.

Market potential

This device can be used by producers of ornamental species, fish farmers and farmers. Aquaculture is the fastest growing segment in fish production in Mexico therefore there is some local potential for this technology.

Transferring conditions

- ✓ Technological development agreement (optional).
- ✓ Licensing (includes front payment and royalties)



Contacto UNAM:

UNAM Contact:

Ing. César León
cesar.leon@unam.mx
+52 (55) 56 58 56 50
Ext. 208

La información de esta ficha es propiedad de la Universidad Nacional Autónoma de México. Únicamente con fines informativos.

The information in this document is property of the Universidad Nacional Autónoma de México. Informational purposes only.

Tecnologías UNAM
UNAM Technologies