

Device for the quantification of light and sediments accumulation in aquatic bodies



Environmental technology

Description

This is a device for measuring the amount of light and sediment accumulated at the bottom of water bodies. This technology allows the delivery of integrated services and the preparation of proposals to manage biodiversity conservation.

Application

The device has a cylinder for collecting sediment, as well as a light sensor. Its design makes it possible to quantify the sediment rate and to correlate light changes to sediment accumulation. The measurement of light and sedimentation is useful in explaining changes in the community structure of benthic marine organisms.

Stage of development

Experimental prototype

IP status

Patent application No. MX/a/2013/012664

Inventors

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Market potential

The potential users of this technology are the institutions responsible for conducting environmental monitoring and studies of anthropogenic impact (urban development) in coastal areas, as well as companies engaged in making environmental impact assessments.

Transferring conditions

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



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