

Title (en)
A METHOD FOR AUTOMATED FREEZE DREDGING

Title (de)
VERFAHREN FÜR DAS AUTOMATISCHE GEFRIERAUSBAGGERN

Title (fr)
PROCEDE DE DRAGAGE AUTOMATIQUE PAR CONGELATION

Publication
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Application
EP 06717015 A 20060315

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• SE 2006000330 W 20060315
• SE 0500582 A 20050315

Abstract (en)
[origin: WO2006098686A1] The invention involves a system (17) and a method (1) for automated freeze dredging of sediment. A set of freeze cells (10) are connected to each other above the surface, preferably on a floating vessel. The freeze cells (10) are submerged to the bottom (12) by means of a conveyor like means (16) where the upper layer of the sediment is frozen such that sections of sediment adhere to the underside of the freeze cells (10). The invention is particular useful to lift up sediment comprising particles that are toxic or otherwise hazardous. The invention is also suitable to be used for crime scene investigation purposes. The invention enables that frozen sediment is transported to the surface without particles flowing out to the surrounding water during transportation of the sediment. Further the invention enables that less sediment needs to be processed in order to reduce the amount of water compared to methods involving traditional dredging.

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• [X] DE 3223219 A1 19831222 - STROBEL CHRISTIAN
• [A] US 3955294 A 19760511 - MORGENSTEIN MAURICE E
• See references of WO 2006098686A1

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