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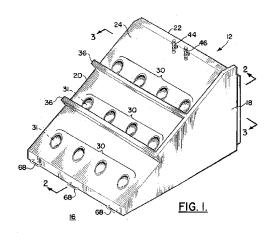
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(54) Title: WAVE SUPPRESSOR AND SEDIMENT COLLECTION SYSTEM



(57) Abstract: A transportable wave suppressor and sediment collection (WSSC) system, including a method of installing same, the system installed to suppress wave action and provide land restoration along the shore of a body of water, such as a coastline, which includes a plurality of interconnected sections of the system, each section including a base, a forward wall, and a rear wall, having a plurality of fluid flow pipes extending from the forward wall to the rear wall, for allowing water including sediment to flow into the pipes at the forward wall and exit the pipes at the rear wall. There is further provided a one-way valve member at the rear wall exit of each pipe, so that water carrying sediment cannot return through the pipe as the wave action recedes from the coastline. To allow water to return to the body of water, there is provided a flow opening including a weir between multiple sections so that water is able to flow there through. Each of the sections would be self-contained, and constructed of a material to allow each section to be floated to a location, wherein material, such as water, or the like, can be pumped into each section resulting in the section to sink and rest on the floor of the body of water, with an upper portion of the section extending a distance above the water surface. The sections would be interconnected and anchored to the floor, so as to provide a continuous system, interrupted only by the water return outlets as stated earlier.





INTERNATIONAL SEARCH REPORT

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CLASSIFICATION OF SUBJECT MATTER A.

E02B 3/04(2006.01)i, E02B 3/06(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) E02B 3/04; E02D 17/20; E02D 3/00; E02B 3/12; B65G 5/00; E02D 3/02; A01G 9/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean utility models and applications for utility models Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS(KIPO internal) & Keywords: erosion, sand, and sediment

DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 10-2007-0038196 A (DOO, WU GYUN) 10 April 2007 See page 4 and figure 2.	1-23
A	US 05489165A A (SMITH; DAVID J.) 06 February 1996 See columns 4-5 and figure 1.	1-23
A	EP 0285202 A1 (POLYDAK B.V.) 05 October 1988 See columns 4-5 and figure 1.	1-23
A	US 2005-0123352 A1 (DENNIS PEYTON) 09 June 2005 See columns 6-7 and figure 9.	1-23

	Further documents are listed in the continuation of Box C.		See patent family annex.
*	Special categories of cited documents:	"T"	later document published after the international filing date or priority
"A"	document defining the general state of the art which is not considered		date and not in conflict with the application but cited to understand
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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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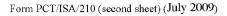
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document referring to an oral disclosure, use, exhibition or other

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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information on patent family members			PCT/US2010/052182	
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