

(54) Title of the invention : VALVE MEDIATED, HAND HELD, SOFT SEDIMENT CORE RETRIEVER.

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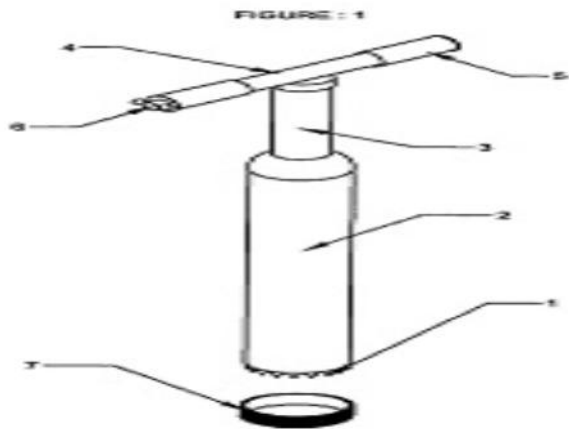
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(57) Abstract :

The titled invention Valve Mediated, Hand Held, Soft Sediment Core Retriever discloses the design of addition of the valve on the closed end of the cylinder will help in releasing the air locked between the sediment surface and closed end of the cylinder, thus leading to increase in the sediment core retrievable. The function of the valve will be (a) Valve will be open during initial processes, to release the locked air during pushing of the cylinder in the sediment Once the cylinder is inserted into the sediment at desired length, the opened valve will be then closed tightly. The locking of the valve will thus help in retrieving longer length of the core as compared to the earlier method.



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