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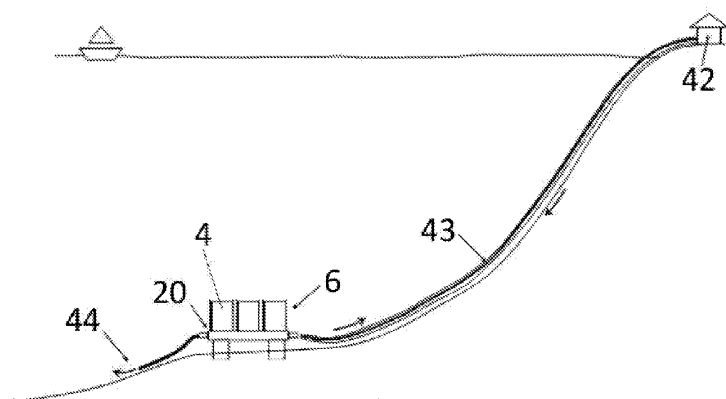


Fig. 8

(57) Abstract: The present invention relates to shallow water subsea desalination system with a subsea desalination template (20) located on a seabed. A retrievable subsea RO-module (4) is located in a subsea RO-module zone (23) of the subsea desalination template (20) and is connected to a RO-module connection. A seawater booster pump assembly (1) includes a seawater inlet (7) and an outlet in fluid connection with a seawater inlet side of the RO-cartridge assembly. A retrievable subsea booster module (2) includes the seawater booster pump assembly (1). A pressure regulator (11) is in fluid connection with a retentate side of the least one retrievable subsea RO-module (4).



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