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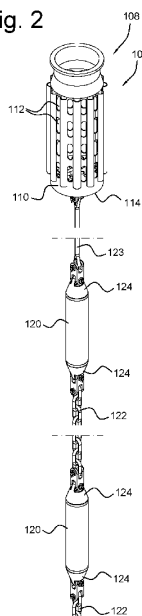
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(54) Title: SEAWATER INTAKE RISER

Fig. 2



(57) Abstract: A seawater intake riser (100) is configured for intake of water from a body of water including a riser pipe (106), a riser head (104) configured for connection to a water tank in a vessel and a riser inlet (102) configured for the intake of water. The riser head arranged at a proximal end of the riser pipe and the riser inlet arranged at a distal end of the riser pipe. The riser inlet includes a grid element (110) with openings allowing water to flow into the interior of the riser pipe while blocking objects floating in the flowing water to enter. The grid element includes a connector configured to attach a ballast (108) to the grid element. The ballast is a distributed plurality of ballast elements (120) in a string. The string at one end thereof connected to the connector. The ballast elements in the string are spaced apart from each other by intermediate lines.

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