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(54) Title: DEVICE FOR CONVERSION OF WAVE ENERGY

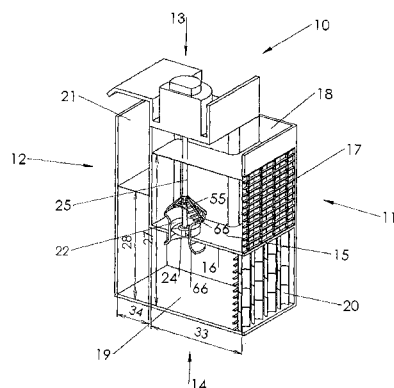


Fig 2

(57) Abstract: A device for conversion of energy of a wave of water comprises a front (11) and a back (12) opposite the front (11), a top (13) and a bottom (14) opposite the top (13), an inlet chamber (15) which has a partition (16), an inlet valve (17) at the front (11) between the top (13) and the partition (16) and an inlet chamber vent (18), wherein the inlet valve (17) allows flow of water in one direction into the inlet chamber (15). An outlet chamber (19) has an outlet valve (20) between the partition (16) and the bottom (14), and an outlet chamber vent (21) positioned between the partition (16) and the top (13), adapted to maintain atmospheric pressure of air in the outlet chamber (19), wherein the outlet valve (20) allows flow of water in one direction out of the outlet chamber (19). A connecting duct (22) connects the partition (16) of the inlet chamber (15) to the outlet chamber (19), and a generator (41) positioned at least partially in the connecting duct (22) generates electricity in response to wave energy-induced flow of water into the inlet chamber (15).