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- (71) Applicant: **BOMBORA WAVE POWER PTY LTD**
[AU/AU]; 11 Arlington Avenue, South Perth, Western
Australia 6151 (AU).
- (72) Inventors: **RYAN, Glen Lee**; 11 Arlington Avenue, South
Perth, Western Australia 6151 (AU). **RYAN, Shawn Kay**;
U2/56 McDonald Street, Como, Western Australia 6151
(AU).

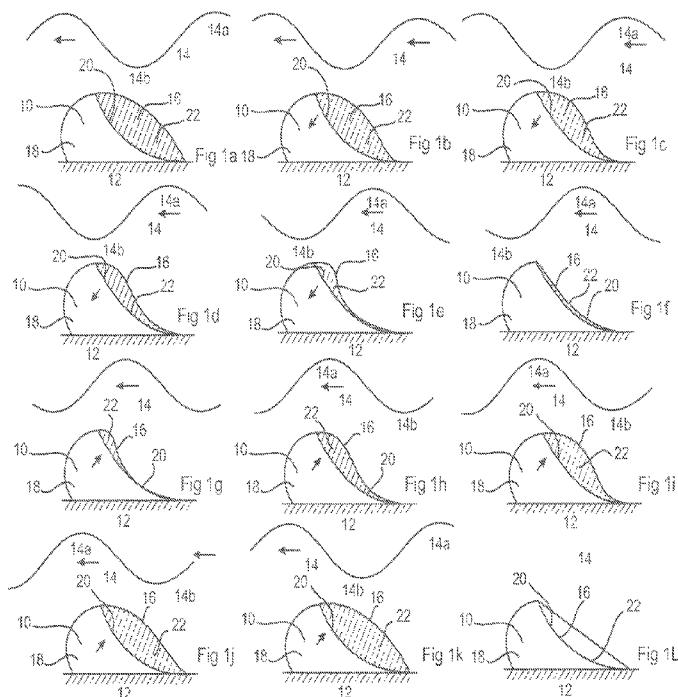
(74) Agent: **WATERMARK PATENT & TRADE MARKS
ATTORNEYS**; GPO Box 5093, Melbourne, Victoria
3001 (AU).

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(54) Title: WAVE ENERGY CONVERSION



(57) Abstract: A wave energy converter (WEC) (10) has a body portion (18) with a face (20) and at least one flexible membrane (16) bounding at least part of a volume of a fluid to form a variable volume cell (22). The membrane is inclined from vertical providing a flow smoothed passage for wave energy from a wave (14) to travel over the WEC whilst deforming the at least one membrane towards the body to compress the fluid. The cell(s) can be submerged or floating. The inclination of the at least one membrane assists conversion of potential and kinetic energy of the wave to pressure within the fluid. Fluid pressure within the WEC cell(s) and/or system can be optimised to suit wave and/or performance conditions.



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