

## PORTABLE HYDRO-GENERATOR

### ABSTRACT

5 A portable hydro-generator , for the generation of power, including a tower filled with a driving fluid, a semi-sealed curved tubular housing with a drive portion and a return portion primed with a fluid, said drive portion and return portion having differing tubular internal diameters, an inlet means to allow said fluid to enter said semi-sealed curved tubular housing, a plurality of paddles to harness a kinetic energy of said fluid  
10 entering said semi-sealed curved tubular housing, a linkage assembly to link said plurality of paddles, a drive chamber, a sprocket within said drive chamber to engage a portion of said paddles, any output power generator attached to said sprocket, wherein said drive portion of semi-sealed tubular housing has a larger diameter than the return portion.

15 A paddle, adaptable to be used in a manner as defined in the portable hydro-generator, including a top surface, a bottom surface, seals to prevent water leakage through the paddles, a linkage bar to allow an attachment of said paddle to a subsequent paddle, wherein the top surface of the paddle further includes studs to  
20 increase the effective surface area of the top surface of the paddle.

25 FIGURE 1