

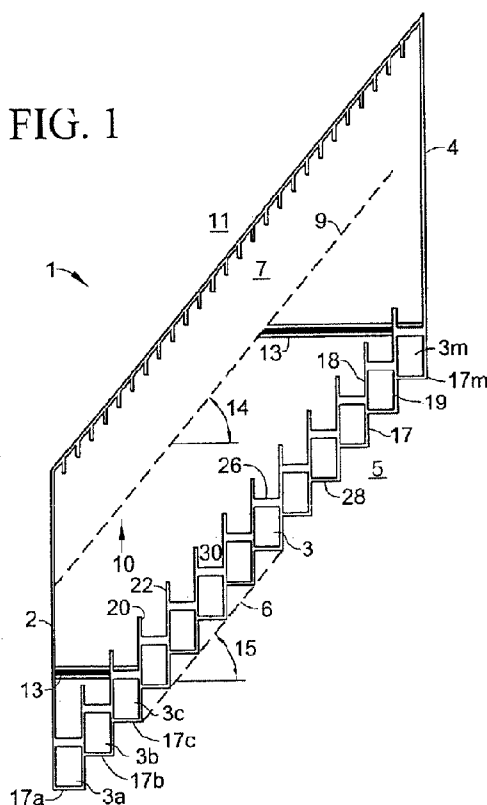


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(54) Title: METHOD AND APPARATUS FOR PRODUCING PROGRESSIVE WAVES SUITABLE FOR SURFING USING STAGGERED WAVE GENERATORS IN SEQUENCE

FIG. 1



(57) Abstract: The disclosure relates to a method and apparatus for a wave pool having a deep end and a shallow end, wherein a plurality of wave generators is provided for producing wave segments in the wave pool. The wave generators are preferably extended substantially along the deep end in a substantially staggered manner relative to the travel direction of the wave segments. A pair of dividing walls is preferably provided in front of each wave generator, wherein the dividing walls are extended substantially forward in the travel direction and substantially parallel to each other or with a fade angle of no more than about 20 to 30 degrees relative to each other. The wave generators are preferably operated in sequence from one side of the pool to the other, such that a plurality of wave segments is generated at pre-selected time intervals, and such that the plurality of wave segments can travel forward and then, due to the stagger of the wave generators, merge together to form a substantially uniform resultant periodic wave. The resultant wave forms and travels forward and then breaks along the shallow end which preferably comprises a break line.



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