

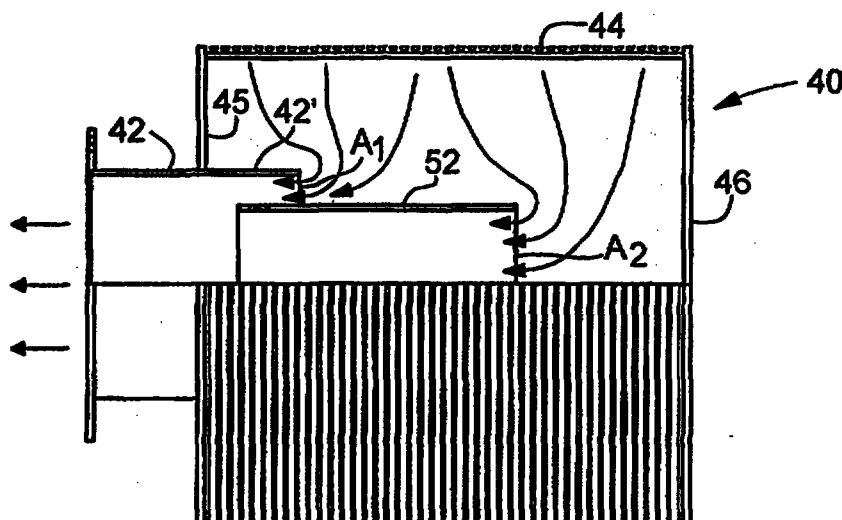


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(54) Title: FLOW MODIFIER FOR SUBMERGED INTAKE SCREEN**(57) Abstract**

Improved flow modifier assembly (40, 60) for a water intake system having a cylindrical intake screen (44, 64) prevents damage to fish and other aquatic organisms by providing a controlled velocity profile which causes the average flow velocity (58) to closely approach the peak flow velocity. By extending two or more concentric tubular flow modifiers (42', 52) or (62', 67, 68, 69) into one end of the screen, it is possible to achieve flow uniformities of more than 90 %, as compared to a maximum of about 72 % for a prior art configuration utilizing a single tube flow modifier (22). In addition, the size, weight and cost of screen required can be greatly reduced for a given peak flow velocity as compared to prior art devices.



**INTAKE SCREEN CYLINDER
w/ DOUBLE PIPE FLOW MODIFIER**