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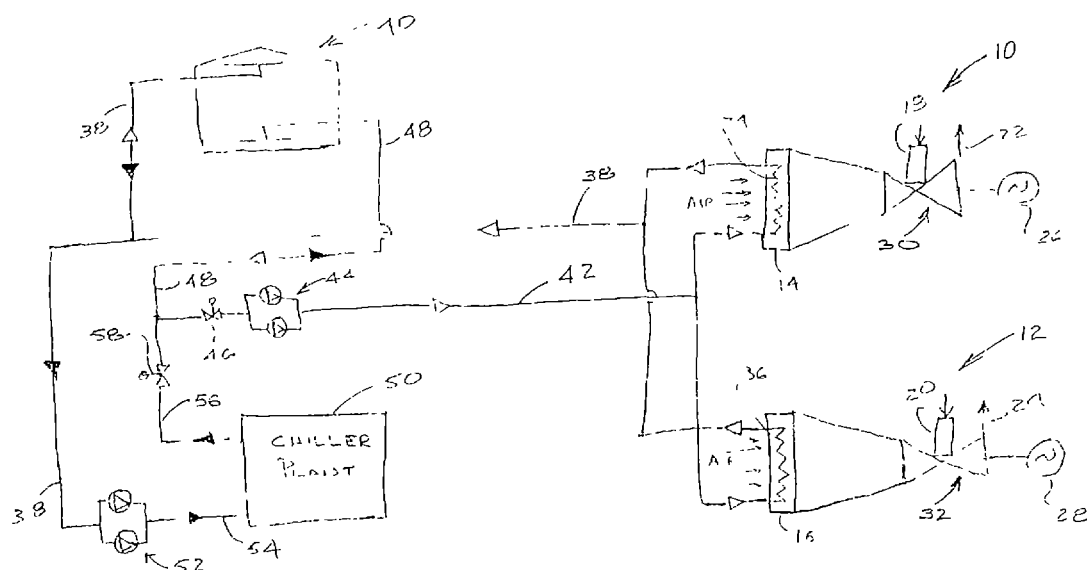
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(4) Title: METHOD AND APPARATUS FOR COOLING THE INLET AIR OF COMBUSTION TURBINES



(57) **Abstract:** Output power and efficiency of combustion turbines, in particular, and combustion engines, in general, are improved by providing cooled intake air to the combustion device. The cooled air is obtained using a thermal energy storage system that has a stratified chilled fluid storage tank. A local or remote chiller plant, possibly already present for use in a thermal energy distribution system, provides the chilled fluid, which can be an aqueous solution of sodium chloride or calcium chloride or both, during off-peak operating times.

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