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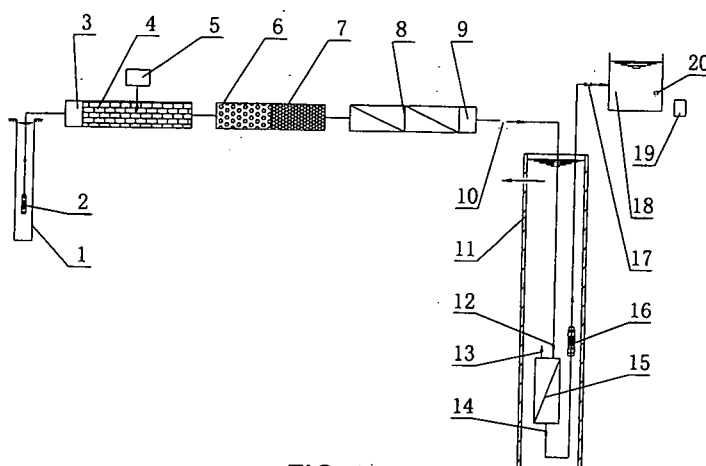


FIG. 1

(57) Abstract: The present invention relates to a nanofiltration membrane water process system and device which include a submerged pump water taking well. Raw water communicates with a steel pipe open caisson via porous brick, non-fine concrete, activated carbon and filter cloth filtering pool. The upper part of the filtering pool is close or covered with a cover plate. Oxygen is supplied continuously at the bottom of the porous brick filtering pool via a pressure swing adsorption oxygenator to form a biological active filtering pool. The non-fine concrete filtering pool is used for coarse filtering, and the activated carbon filtering pool is used for fine filtering. Pre-processed water filtered by filter cloth components in a micro filtration flows into nanofiltration membrane component disposed at the bottom of an equipment well. The nanofiltration membrane component uses the static pressure energy generated by water level difference as a working pressure of the nanofiltration membrane.