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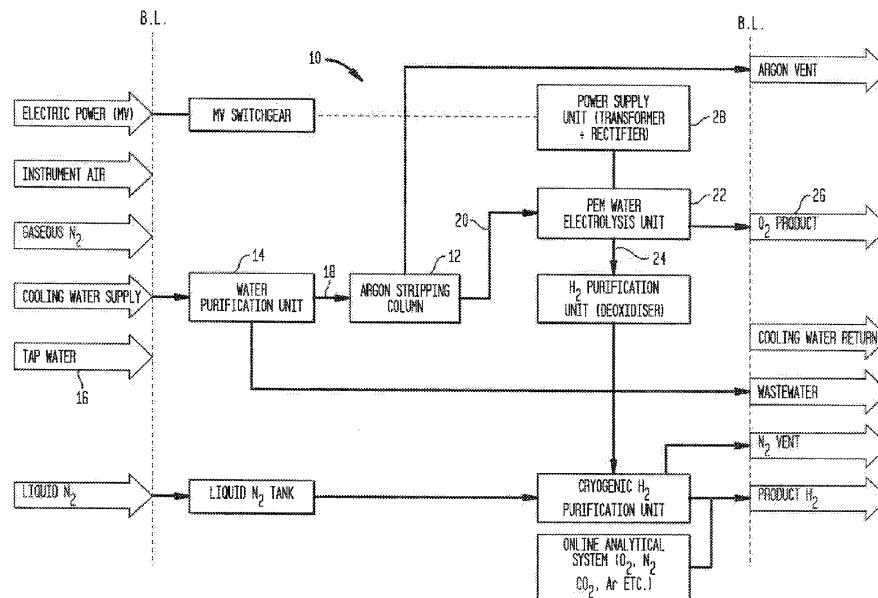
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(54) Title: ARGON STRIPPING FROM WATER FOR HIGH PURITY HYDROGEN AND OXYGEN PRODUCTION



(57) Abstract: A method for producing ultra-pure hydrogen is provided which includes heating water for stripping argon from the water; and separating the argon-stripped water into an oxygen stream and a hydrogen stream, wherein the hydrogen stream includes an ultra-pure hydrogen stream. A related system for producing an ultra-pure hydrogen stream is also provided which includes a container in which argon is stripped from water by steam; at least one electrolyzer cell to be contacted by the argon-stripped water; wherein the at least one electrolyzer cell provides an oxygen stream and a hydrogen stream with an argon content less than 0.25 ppm.

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