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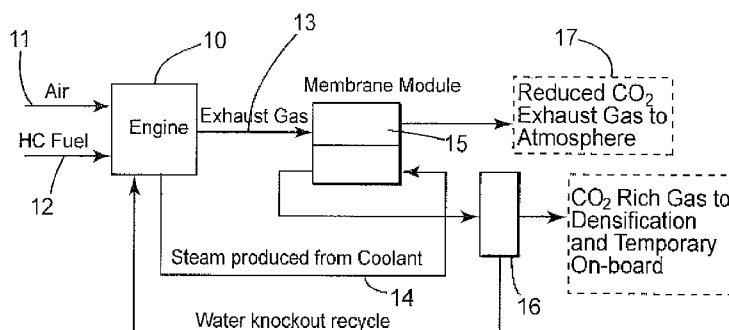
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(54) Title: METHOD FOR REMOVAL OF CO₂ FROM INTERNAL COMBUSTION EXHAUST GAS USING FACILITATED TRANSPORT MEMBRANES AND STEAM SWEEPING

Figure 1



(57) Abstract: The invention relates to methods for separating CO₂ from mixed gases. A stream of mixed gases passes one side of a facilitated transport membrane, while a sweep fluid, such as steam, passes the other side of the membrane, removing the CO₂. The method is especially useful in the removal of CO₂ from gases produced by internal combustion engines on mobile devices.