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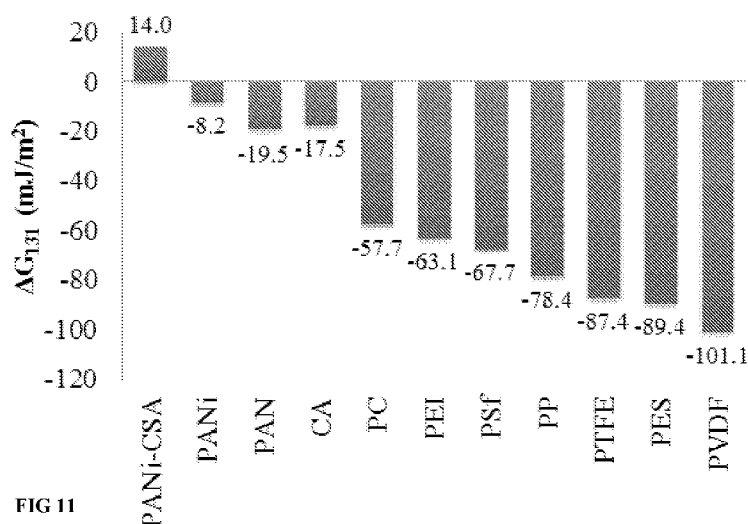
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(54) **Title:** POLYANILINE MEMBRANES, USES, AND METHODS THERETO



(57) **Abstract:** Disclosed herein are methods of increasing the hydrophilicity of a membrane. Membranes comprising polyaniline or co-polymer thereof and one or more gel inhibiting agents are treated with one or more hydrophilicity restoration agents, thereby increasing the hydrophilicity of a membrane. Also disclosed are membranes produced by the disclosed methods. This abstract is intended as a scanning tool for purposes of searching in the particular art and is not intended to be limiting of the present invention.