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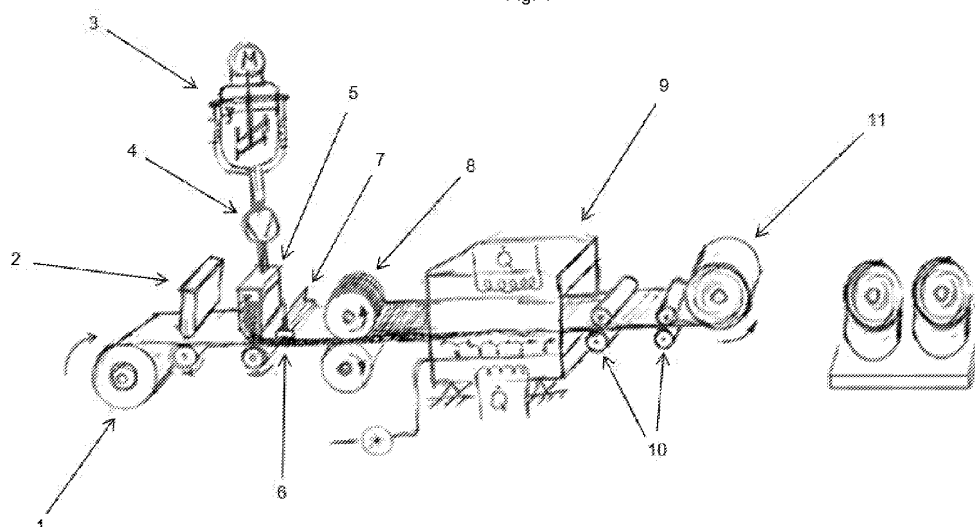
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(54) Title: ACID-BASE POLYMER BLEND MEMBRANES

Fig. 1



(57) Abstract: The present disclosure relates to an acid-base polymer blend membrane comprising at least one first polymer exhibiting acidic groups (A) and at least one second polymer exhibiting basic groups (B), wherein the molar ratio of acidic groups A / basic groups B in the acid-base polymer blend membrane is at least 1 / 0.25. Furthermore, the present disclosure relates to a cell membrane comprising a support structure and an acid-base polymer blend membrane, wherein the acid-base polymer blend membrane is impregnated on the support structure. Said cell membrane can be used in an electrodialysis cell, in a fuel cell, in a PEM electrolyzer, or in a redox flow battery, preferably in a redox flow battery.

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