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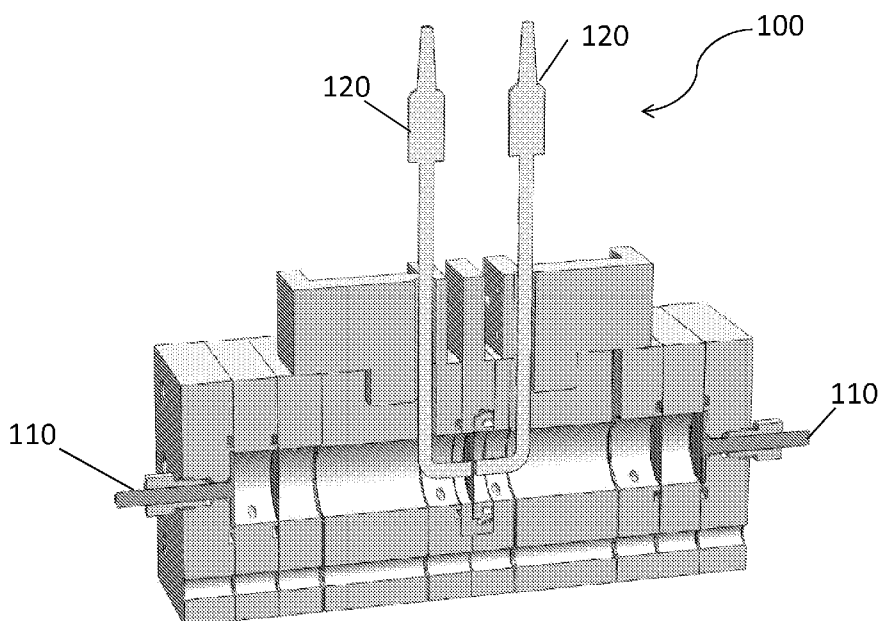


FIG. 1

(57) Abstract: Ion exchange membranes may comprise a polymeric microporous substrate and a cross-linked ion transferring polymeric layer on the substrate. The cross-linked ion transferring polymeric layer may comprise a polymerization product of at least a functional monomer and a low value r_2/r_1 monomer. The ion exchange membranes may have an apparent permselectivity of at least about 95% and a resistivity of less than about 1.5 Ohm-cm².